Product Datasheet

Glypican 3 Antibody (rGPC3/863) - Azide and BSA Free NBP2-54304-100ug

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at: www.novusbio.com/NBP2-54304

Updated 10/23/2024 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications Submit a review at www.novusbio.com/reviews/destination/NBP2-54304



NBP2-54304-100ug

Glypican 3 Antibody (rGPC3/863) - Azide and BSA Free

Product Information Unit Size 100 ug Concentration 1 mg/ml Storage Stora t -20 to -80C. Avoid freeze-thaw cycles. Clonality Monoclonal Clonality Monoclonal Clonality Monoclonal Clonality No Preservative Isotype IgG1 Kappa Purity Protein A purified Buffer 10 mM PBS Target Molecular Weight 67 Kba Product Description UT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2- 53141). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. Host Mouse Gene ID 2719 Gene Symbol GPC3 Species Human, Rat Marker Hepatocellular Carcinoma Marker Specificity/Sensitivity GlyDicar-3 GPC3 is a glycosylphospatid/i inosito-anchored membrane protein nodules and areas of hepatocellular carcinoma (HCC), hepatolastorm, melanoma, (HS) im s turnor, in hepatolastorm, melanoma, (HS) im muscin, a descreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatolastorm, melanoma (HS) with may carcino hepatic adenoma (HCC), hepatolastorm, melanoma (HS) with mas un	-)) (
Concentration 1 mg/ml Storage Store at -20 to -80C. Avoid freeze-thaw cycles. Clonality Monoclonal Clone rGPC3/863 Preservative No Preservative Isotype IgG1 Kappa Purity Protein A purified Buffer 10 mM PBS Target Molecular Weight 67 kDa Product Description 1.0 mg/ml of antibody purified by Protein A Column. Prepared in 10mM PBS WITHOUT BSA & axide. Also available at 200 ug/ml WITH BSA & azide (NBP2-S3141). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. +80C Gene ID 2719 Gene Symbol GPC3 Specificity/Sensitivity Glypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular acrainoma (HCC). hepatoblastoma, melanoma, testicular germ cell tumors, andre IMCC). In patiebalbastoma, melanoma, testicular germ cell tumors, andre IMC). In the secure of hepatibil adenoma (HC), with malignant transformation. In the context of hepatibil adenoma, HC), with malignant transformation. In the context of hepatibil adenoma (HC), hepatoblastoma, melanoma, testicular germ cell tumors, andre Sepression is up regulated in certain histologic subtypes, specificially obly sac tumors and hepatibil adenoma. In contrast, GPC3 is not expressison is also found in sel onorid to be higher		
Storage Stor at -20 to -80C. Avoid freeze-thaw cycles. Clonality Monoclonal Clone rGPC3/863 Preservative No Preservative Isotype IgG1 Kappa Purity Protein A purified Buffer 10 m/M PBS Target Molecular Weight 67 kDa Product Description 10 mg/ml of antibody purified by Protein A Column. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2- 53141). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. Host Mouse Gene ID 2719 Gene Symbol GPC3 Species Human. Rat Marker Hepatocellular Carcinoma Marker Specificity/Sensitivity Glypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a usful tumor marker for the diagnesis of nepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is oxpression is also found to be higher in HCC invertiseue and elevated in serum, but is undetectable in normal liver, bengin liver, and the serum of healthy cloupers, specifically valk act tumors marker for the diagnesis of nepatocellular carcinoma. Heese and a	Unit Size	100 ug
Clonality Monoclonal Clone rGPC3/863 Preservative No Preservative Isotype IgG1 Kappa Purity Protein A purified Buffer 10 mM PBS Target Molecular Weight 67 kDa Product Description 1.0 mg/ml of antibody purified by Protein A Column. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2- 53141). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. Host Mouse Gene ID 2719 Gene Symbol GPC3 Species Human, Rat Marker Hepatocellular Carcinoma Marker Specificity/Sensitivity Glypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatic allocallular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm stumor. In patients with HCC, GPC3 is overspressed in neoplastic liver tissue and elevated in serum, but is undetectable in normal liver, beingh liver, and the serum of healthy donors. GPC3 expression is also found to beigher in HCC liver tissue than in cirrhotic liver or liver with focal lesions such as dysplastic nodules and areas of hepatic adenoma (HA) with mailgnant transformation. In the cont	Concentration	1 mg/ml
Clone rGPC3/863 Preservative No Preservative Isotype IgG1 Kappa Purity Protein A purified Buffer 10 mM PBS Target Molecular Weight 67 kDa Product Description 1.0 mg/ml of antibody purified by Protein A Column. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2- 53141). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. Host Mouse Gene ID 2719 Gene Symbol GPC3 Species Human, Rat Marker Hepatocellular Carcinoma Marker Specificity/Sensitivity Giypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in neoplastic liver tissue and elevated in serum, but is undetcatable in norms and chordcarcinoma. A high level of GPC3 expression is also found to be higher in HCC serum of healthy donors. GPC3 expression is also found to be higher in HCC serum of healthy donors. GPC3 expression is also found to be higher in HCC serum of healthy donors. GPC3 expression of GPC3 is oreexpression of GPC3 is or expression of GPC3 is or expression in normal adjacent tissue. In pat	Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Preservative No Preservative Isotype IgG1 Kappa Purity Protein A purified Buffer 10 mM PBS Target Molecular Weight 67 kDa Product Description	Clonality	Monoclonal
isotype igG1 Kappa Purity Protein A purified Buffer 10 mM PBS Target Molecular Weight 67 kDa Product Description Description 1.0 mg/ml of antibody purified by Protein A Column. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53141). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to e.80C. Host Mouse Gene ID 2719 Gene Symbol GPC3 Specificity/Sensitivity Kpican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular comoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in neoplastic liver tissue than in cirrhotic rescluser germ cell tumors, so chas dysplastic nodules and areas of hepatobastic iver tissue and elevated in aream, but is undetectable in normal liver, benignizer, and the serum of healthy donors. GPC3 expression is also found to be higher in HCC liver and the discluser and normal liver, benignizer, and the serum of healthy donors. GPC3 expression is also found in a low or undetectable in corricationa. A high level of GPC3 is not expression is also found in a low or undetectable in corricationa. A high level of GPC3 is not expression is also found in a low or discluser, such as whigh areas of hepatobalastic actionare, spression of GPC3 is not expressed in anaplastic carcinoma. A high	Clone	rGPC3/863
Purity Protein A purified Buffer 10 mM PBS Target Molecular Weight 67 kDa Product Description 1.0 mg/ml of antibody purified by Protein A Column. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2- S3141). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. Host Mouse Gene ID 2719 Gene Symbol GPC3 Species Human, Rat Marker Hepatocellular Carcinoma Marker Specificity/Sensitivity Glypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular gern cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is soverexpressed in neoplastic liver tissue and elevated in serum, but is undetectable in normal liver, benign liver, and the serum of healthy donors. GPC3 expression is also found to be higher in HCC liver tissue and setsicular gern cell tumors, GPC3 expression is us regulated in certain histologic subtypes, specifically yolk sac tumors and choriccarcinoma. A high level of GPC3 expression is also found to be higher in HCC liver tissue than in cirrhotic liver or liver with focal lesions such as dysplastic nodules and areas of hepatocellustoma, with a yolk sac tumors, and thoriccarcinoma. A high level of GPC3 expression is also f	Preservative	No Preservative
Buffer 10 mM PBS Target Molecular Weight 67 kDa Product Description 0 mg/ml of antibody purified by Protein A Column, Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53141). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. Host Mouse Gene ID 2719 Gene Symbol GPC3 Species Human, Rat Marker Hepatocellular Carcinoma Marker Specificity/Sensitivity Glypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular gem cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in neoplastic liver tissue and elevated in serum, but is undetectable in normal liver, benign liver, and the serum of healthy donors. GPC3 expression is also found to be higher in HCC liver tissue than in cirrhotic liver or liver with tocal lesions such as dysplastic nodules and areas of hepatic adenoma (HA) with mailgnant transformation. In the context of testicular germ cell tumors, BerC3 expression is upper sol in support on the ordina some types of embryronal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression in some types of metryronal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression in some types of embryronal tumors, such as Wilm is tumor and h	Isotype	IgG1 Kappa
Target Molecular Weight 67 kDa Product Description 1.0 mg/ml of antibody purified by Protein A Column. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2- 53141). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. Host Mouse Gene ID 2719 Gene Symbol GPC3 Species Human, Rat Marker Hepatocellular Carcinoma Marker Specificity/Sensitivity Glypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in nogplastic liver tissue and elevated in serum, but is undetectable in normal liver, being niver, and the serum of healthy donors. GPC3 expression is also found to be higher in HCC liver tissue than in cirrhotic liver or liver with focal lesions such as dysplastic nodules and areas of hepatoclastoma, tasticular germ cell tumors, GPC3 expression is us gregulated in certain histologic subtypes, specifically yolk sac tumors and choriccarcinoma. A high level of GPC3 expression is also found in some types of embryonal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression of GPC3 is not expression is also found in some types of embryonal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression of GPC3 is not expression is also found in some types of embryonal tumors, such as Wilm s tumor an	Purity	Protein A purified
Product Description Description 1.0 mg/ml of antibody purified by Protein A Column. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2- 53141). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. Host Mouse Gene ID 2719 Gene Symbol GPC3 Species Human, Rat Marker Hepatocellular Carcinoma Marker Specificity/Sensitivity Glypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, nelanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in neoplastic liver tissue and elevated in serum, but is undetectable in normal liver, benign liver, and the serum of hepatic adenoma, Hesticular germ cell tumors, and Wilm s tumor. In nodules and areas of hepatic adenoma (HA) with malignant transformation. In the context of testicular germ cell tumors, GPC3 expression is us of bornd to be higher in HCC liver tissue than in cirrhotic liver or liver with hocal lesions such as dysplastic nodules and ereas of hepatic adenoma (HA) with malignant transformation. In the context of testicular germ cell tumors, GPC3 expression is up regulated in certain histologic subtypes, specifically yolk sac tumors and choriocarinoma. A high level of GPC3 is orderatic advent in thyroid cancer, expression of GPC3 is dramatically enhanced in certain types of cancers: 100% in follicular carcinoma and 70% in applilary carcinoma. Expression of GPC3 in follicular carcinom	Buffer	10 mM PBS
Description 1.0 mg/ml of antibody purified by Protein A Column. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2- 53141). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. Host Mouse Gene ID 2719 Gene Symbol GPC3 Species Human, Rat Marker Hepatocellular Carcinoma Marker Specificity/Sensitivity Glypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in neoplastic liver tissue and elevated in serum, but is undetectable in normal liver, benign liver, and the serum of healthy donors. GPC3 expression is also found in some types of embryonal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression in some types of embryonal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression in some types of ancers: 100% in follicular carcinoma and 70% in papilary carcinoma. Expression of GPC3 in follicular carcinoma and 70% in papilary carcinoma. Immunogen Recombinant full-length human Glypican 3 protein (Uniprot: P51654) Product Application Details Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-	Target Molecular Weight	67 kDa
WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2- 53141).Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.HostMouseGene ID2719Gene SymbolGPC3SpeciesHuman, RatMarkerHepatocellular Carcinoma MarkerSpecificity/SensitivityGlypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in neoplastic liver issue and elevated in serum, but is undetectable in normal liver, benign liver, and the serum of healthy donors. GPC3 expression is also found to be higher in HCC liver tissue than in cirrhotic liver or liver with focal lesions such as dysplastic nodules and areas of hepatic adenoma (HA) with malignant transformation. In the context of testicular germ cell tumors, GPC3 expression is up regulated in certain histologic subtypes, specifically yolk sac tumors and choricoarcinoma. A high level of GPC3 is dramatically enhanced in certain types of embryonal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression in normal adjacent tissue. In patients with thyroid cancer, expression of GPC3 is ont expressed in maplastic carcinoma. Expression of GPC3 is ont expressed in maplastic carcinoma. Eco2 is not expressed in anaplastic carcinoma.ImmunogenRecombinant full-length human Glypican 3 protein (Uniprot: P51654.)Product Application DetailsFlow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry/ Immu	Product Description	
Gene ID 2719 Gene Symbol GPC3 Species Human, Rat Marker Hepatocellular Carcinoma Marker Specificity/Sensitivity Glypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in neoplastic liver tissue and elevated in serum, but is undetectable in normal liver, benign liver, and the serum of healthy donors. GPC3 expression is also found to be higher in HCC liver tissue than in cirrhotic liver or liver with focal lesions such as dysplastic nodules and areas of hepatic adenoma (HA) with malignant transformation. In the context of testicular germ cell tumors, GPC3 expression is up regulated in certain histologic subtypes, specifically yolk sac tumors and choricoarcinoma. A high level of GPC3 expression is also found in some types of embryonal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression in normal adjacent tissue. In patients with thyroid cancer, expression of GPC3 is foramatically enhanced in certain types of cancers: 100% in follicular carcinoma and 70% in papillary carcinoma. Expression of GPC3 in follicular carcinoma is significantly higher than that of follicular adenoma. In contrast, GPC3 is not expressed in anaplastic carcinoma. Immunogen Recombinant full-length human Glypican 3 protein (Uniprot: P51654) Product Application Details Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry.Paraffin, Protein Array, CyTOF-	Description	WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2- 53141). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to
Gene Symbol GPC3 Species Human, Rat Marker Hepatocellular Carcinoma Marker Specificity/Sensitivity Glypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in neoplastic liver tissue and elevated in serum, but is undetectable in normal liver, benign liver, and the serum of healthy donors. GPC3 expression is also found to be higher in HCC liver tissue than in cirrhotic liver or liver with focal lesions such as dysplastic nodules and areas of hepatic adenoma (HA) with malignant transformation. In the context of testicular germ cell tumors, GPC3 expression is up regulated in certain histologic subtypes, specifically yolk sac tumors and choriocarcinoma. A high level of GPC3 expression is also found in some types of embryonal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression in normal adjacent tissue. In patients with thyroid cancer, expression of GPC3 is dramatically enhanced in certain types of GPC3 in follicular carcinoma and 70% in papillary carcinoma. Expression of GPC3 in follicular carcinoma. In contrast, GPC3 is not expressed in anaplastic carcinoma. Immunogen Recombinant full-length human Glypican 3 protein (Uniprot: P51654) Product Application Details Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-	Host	Mouse
Species Human, Rat Marker Hepatocellular Carcinoma Marker Specificity/Sensitivity Glypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in neoplastic liver tissue and elevated in serum, but is undetectable in normal liver, benign liver, and the serum of healthy donors. GPC3 expression is also found to be higher in HCC liver tissue than in cirrhotic liver or liver with focal lesions such as dysplastic nodules and areas of hepatic adenoma (HA) with malignant transformation. In the context of testicular germ cell tumors, GPC3 expression is up regulated in certain histologic subtypes, specifically yolk sac tumors and choriocarcinoma. A high level of GPC3 expression is also found in a low or undetectable expression in normal adjacent tissue. In patients with thyroid cancer, expression of GPC3 is dramatically enhanced in certain types of embryonal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression in normal adjacent tissue. In patients with thyroid cancer, expression of GPC3 is on expressed in anaplastic carcinoma. Expression of GPC3 is not expressed in anaplastic carcinoma. Expression of GPC3 is not expressed in anaplastic carcinoma. Immunogen Recombinant full-length human Glypican 3 protein (Uniprot: P51654) Product Application Details Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry.Paraffin, Protein Array, CyTOF-	Gene ID	2719
MarkerHepatocellular Carcinoma MarkerSpecificity/SensitivityGlypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in neoplastic liver tissue and elevated in serum, but is undetectable in normal liver, benign liver, and the serum of healthy donors. GPC3 expression is also found to be higher in HCC liver tissue than in cirrhotic liver or liver with focal lesions such as dysplastic nodules and areas of hepatic adenoma (HA) with malignant transformation. In the context of testicular germ cell tumors, GPC3 expression is up regulated in certain histologic subtypes, specifically yolk sac tumors and choriocarcinoma. A high level of GPC3 expression is also found in some types of embryonal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression in normal adjacent tissue. In patients with thyroid cancer, expression of GPC3 is dramatically enhanced in certain types of cancers: 100% in follicular carcinoma and 70% in papillary carcinoma. Expression of GPC3 in follicular carcinoma is significantly higher than that of follicular adenoma. In contrast, GPC3 is not expressed in anaplastic carcinoma.ImmunogenRecombinant full-length human Glypican 3 protein (Uniprot: P51654)Product Application DetailsFlow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-	Gene Symbol	GPC3
Specificity/SensitivityGlypican-3 (GPC3) is a glycosylphospatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in neoplastic liver tissue and elevated in serum, but is undetectable in normal liver, benign liver, and the serum of healthy donors. GPC3 expression is also found to be higher in HCC liver tissue than in cirrhotic liver or liver with focal lesions such as dysplastic nodules and areas of hepatic adenoma (HA) with malignant transformation. In the context of testicular germ cell tumors, GPC3 expression is up regulated in certain histologic subtypes, specifically yolk sac tumors and choricarcinoma. A high level of GPC3 expression is also found in some types of embryonal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression in normal adjacent tissue. In patients with thyroid cancer, expression of GPC3 is dramatically enhanced in certain types of cancers: 100% in follicular carcinoma and 70% in papillary carcinoma. Expression of GPC3 is not expressed in anaplastic carcinoma.ImmunogenRecombinant full-length human Glypican 3 protein (Uniprot: P51654)Product Application DetailsFlow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-	Species	Human, Rat
 which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in neoplastic liver tissue and elevated in serum, but is undetectable in normal liver, benign liver, and the serum of healthy donors. GPC3 expression is also found to be higher in HCC liver tissue than in cirrhotic liver or liver with focal lesions such as dysplastic nodules and areas of hepatic adenoma (HA) with malignant transformation. In the context of testicular germ cell tumors, GPC3 expression is up regulated in certain histologic subtypes, specifically yolk sac tumors and choriocarcinoma. A high level of GPC3 expression is also found in some types of embryonal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression in normal adjacent tissue. In patients with thyroid cancer, expression of GPC3 is dramatically enhanced in certain types of cancers: 100% in follicular carcinoma and 70% in papillary carcinoma. Expression of GPC3 is not expressed in anaplastic carcinoma. Immunogen Recombinant full-length human Glypican 3 protein (Uniprot: P51654) Product Application Details Applications Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF- 	Marker	Hepatocellular Carcinoma Marker
Product Application Details Applications Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-	Specificity/Sensitivity	useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilm s tumor. In patients with HCC, GPC3 is overexpressed in neoplastic liver tissue and elevated in serum, but is undetectable in normal liver, benign liver, and the serum of healthy donors. GPC3 expression is also found to be higher in HCC liver tissue than in cirrhotic liver or liver with focal lesions such as dysplastic nodules and areas of hepatic adenoma (HA) with malignant transformation. In the context of testicular germ cell tumors, GPC3 expression is up regulated in certain histologic subtypes, specifically yolk sac tumors and choriocarcinoma. A high level of GPC3 expression is also found in some types of embryonal tumors, such as Wilm s tumor and hepatoblastoma, with a low or undetectable expression in normal adjacent tissue. In patients with thyroid cancer, expression of GPC3 is dramatically enhanced in certain types of cancers: 100% in follicular carcinoma and 70% in papillary carcinoma. Expression of GPC3 in follicular carcinoma is significantly higher than that of follicular adenoma. In contrast,
Applications Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-	Immunogen	Recombinant full-length human Glypican 3 protein (Uniprot: P51654)
Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-	Product Application Details	
	Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-

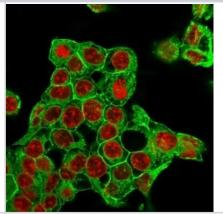


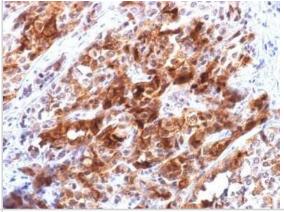
Page 2 of 4 v.20.1 Updated 10/23/2024

Recommended Dilutions	Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5 - 1 ug/ml, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, Protein Array, CyTOF-ready
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

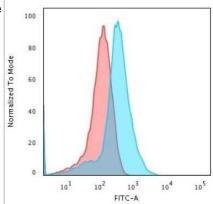
Immunocytochemistry/Immunofluorescence: Glypican 3 Antibody (rGPC3/863) - Azide and BSA Free [NBP2-54304] -Immunofluorescence Analysis of MeOH-fixed HepG2 cells labeling Glypican-3 with followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot (Red).





Immunohistochemistry-Paraffin: Glypican 3 Antibody (rGPC3/863) -Azide and BSA Free [NBP2-54304] - Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with Glypican-3 Recombinant Mouse Monoclonal Antibody (rGPC3/863).

Flow Cytometry: Glypican 3 Antibody (rGPC3/863) - Azide and BSA Free [NBP2-54304] - Flow Cytometric Analysis of MeOH-fixed HepG2 cells using Glypican 3 Antibody (rGPC3/863).followed by Goat anti- Mouse-IgG-CF488 (Blue); Isotype Control (Red).

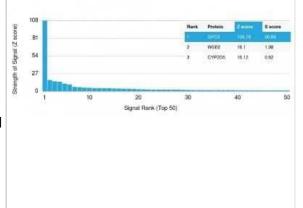


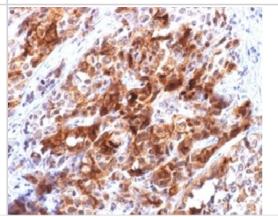
www.novusbio.com



Protein Array: Glypican 3 Antibody (rGPC3/863) - Azide and BSA Free [NBP2-54304] - Analysis of Protein Array containing more than 19,000 full-length human proteins using Glypican 3 Antibody (rGPC3/863) Zand S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5.

Formalin-fixed, paraffin-embedded human hepatocellular carcinoma stained with Glypican 3 antibody (rGPC3/863).









Novus Biologicals USA

10730 E. Briarwood Avenue Centennial, CO 80112 USA Phone: 303.730.1950 Toll Free: 1.888.506.6887 Fax: 303.730.1966 nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave Toronto, ON M8Z 4E6 Canada Phone: 905.827.6400 Toll Free: 855.668.8722 Fax: 905.827.6402 canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane Abingdon Science Park Abingdon, OX14 3NB, United Kingdom Phone: (44) (0) 1235 529449 Free Phone: 0800 37 34 15 Fax: (44) (0) 1235 533420 info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com Technical Support: nb-technical@biotechne.com Orders: nb-customerservice@bio-techne.com General: novus@novusbio.com

Products Related to NBP2-54304-100ug

NBP1-85226PEP	Glypican 3 Recombinant Protein Antigen
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-54304

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications

www.novusbio.com

