Product Datasheet

EpCAM/TROP1 Antibody (EGP40/1798) - (ECD) - Azide and BSA Free

NBP2-54456-100ug

Unit Size: 100 ug

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

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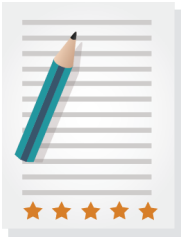
Updated 10/23/2024 v.20.1



NBP2-54456-100ug

EpCAM/TROP1 Antibody (EGP40/1798) - (ECD) - Azide and BSA Free

Product Information

Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	EGP40/1798
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS

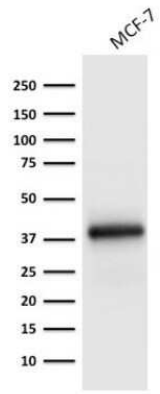
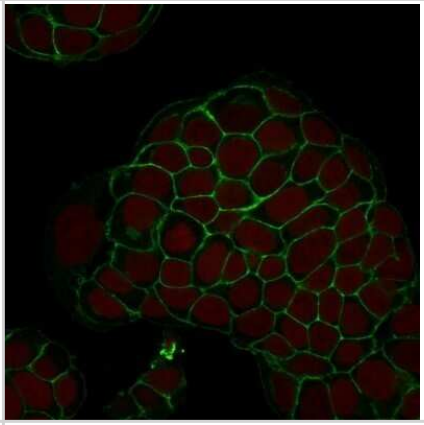
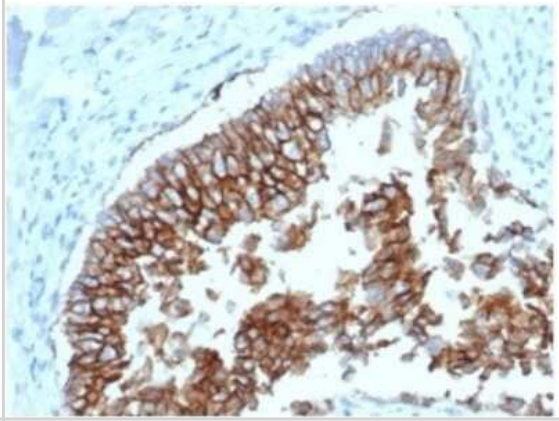
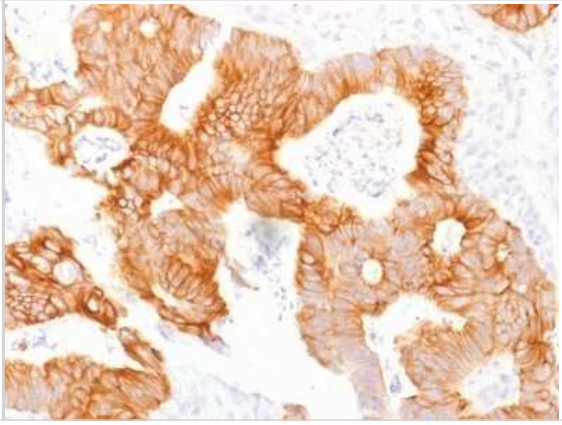
Product Description

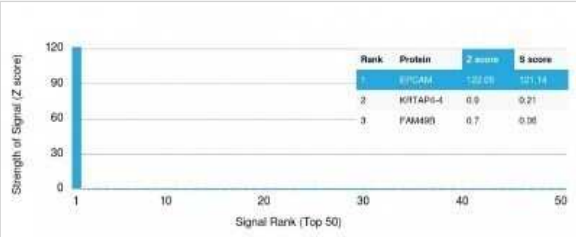
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53213). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	4072
Gene Symbol	EPCAM
Species	Human, Canine, Feline
Reactivity Notes	Others not known.
Marker	Epithelial Marker
Specificity/Sensitivity	EGP40 is a 40-43kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas. This antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. This antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.
Immunogen	Recombinant fragment from the extracellular domain of human EpCAM/TROP1 protein (around aa100-224) (exact sequence is proprietary) (Uniprot: P16422)

Product Application Details

Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-ready
Recommended Dilutions	Western Blot 0.5 - 1 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells, ELISA 2 - 4 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry-Paraffin 0.5 - 1 ug/ml, Protein Array, CyTOF-ready
Application Notes	ELISA: Use Ab at 2-4ug/ml for coating. Order Ab without BSA. Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 min 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

Western Blot: EpCAM/TROP1 Antibody (EGP40/1798) - (ECD) - Azide and BSA Free [NBP2-54456] - Western Blot Analysis of MCF-7 cell lysate using EpCAM/TROP1 Antibody (EGP40/1798).	
Immunocytochemistry/Immunofluorescence: EpCAM/TROP1 Antibody (EGP40/1798) - (ECD) - Azide and BSA Free [NBP2-54456] - Confocal Immunofluorescence of MCF-7 cells EpCAM/TROP1 Antibody (EGP40/1798) labeled with CF488 (Green); Red Dot is used to label the nuclei.	
Immunohistochemistry-Paraffin: EpCAM/TROP1 Antibody (EGP40/1798) - (ECD) - Azide and BSA Free [NBP2-54456] - Formalin-fixed, paraffin-embedded canine (dog) bladder stained with EpCAM/TROP1 Antibody (EGP40/1798) - (ECD).	
Immunohistochemistry-Paraffin: EpCAM/TROP1 Antibody (EGP40/1798) - (ECD) - Azide and BSA Free [NBP2-54456] - Formalin-fixed, paraffin-embedded Human Colorectal Carcinoma stained with Ep-CAM Monoclonal Antibody (EGP40/1798).	

Protein Array: EpCAM/TROP1 Antibody (EGP40/1798) - (ECD) - Azide and BSA Free [NBP2-54456] - Analysis of Protein Array containing >19,000 full-length human proteins using EpCAM/TROP1 Antibody (EGP40/1798) Z- and 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.	

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@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-54456-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP2-52190-0.05mg	Recombinant Human EpCAM/TROP1 His Protein

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.

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