## **Product Datasheet**

# Cytokeratin 8 Antibody (SPM192) - Azide and BSA Free NBP2-34400-0.1mg

Unit Size: 0.1 mg

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

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## NBP2-34400-0.1mg

Cytokeratin 8 Antibody (SPM192) - Azide and BSA Free

| (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies that recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as color stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 an CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen  Keratin preparation from a human carcinoma (Uniprot: P05787)  Product Application Details  Applications  Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Recommended Dilutions  Western Blot 0.5-1.0ug/ml, Flow Cytometry 0.5-1ug/million cells,   | Cytokeratin 8 Antibody (SPM192) - Azide and BSA Free |   |
|--|--|---|
| Storage   Store at -20 to -80C. Avoid freeze-thaw cycles.  | Product Information                                  |   |
| Storage   Store at -20 to -80C. Avoid freeze-thaw cycles.   Clonality   Monoclonal   | Unit Size  | 0.1 mg  |
| Clone SPM192 Preservative No Preservative IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS Target Molecular Weight 52.5 kDa  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. Also available at 200 ug/ml WITH BSA & azide (NBP2-34352).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.  Host Mouse Gene ID 3856 Gene Symbol KRT8 Species Human, Rat (Negative) Reactivity Notes Does not react with Rat. Specificity/Sensitivity (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomass. It is absent in squamous cell carcinomass. Hepatocellular carcinomas are defined by the use of antibodies the recognize only cytokeratins and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as color stomach, small intestine, trache, and esophagus as well in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and admantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 an CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen Keratin preparation from a human carcinoma (Uniprot: P05787)  Product Application Details  Applications Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Jenarfin, CyToF-ready   | Concentration  | 1.0 mg/ml   |
| Clone SPM192  Preservative No Preservative  Isotype IgG1 Kappa  Purity Protein A or G purified  Buffer 10 mM PBS  Target Molecular Weight 52.5 kDa  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 (NBP2-34352).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.  Host Mouse  Gene ID 3856  Gene Symbol KRT8  Species Human, Rat (Negative)  Reactivity Notes Does not react with Rat.  Specificity/Sensitivity Epitope of this monoclonal antibody is located between aa343-357. Cytokeratin (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK6 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas are defined by the use of antibodies the recognize only cytokeratins and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as color stomach, small intestine, trachea, and esophagus as well as in transitional epithelia with articodes against CK8, CK18 an CK19). Reportedly, anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 an CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen Keratin preparation from a human carcinoma (Uniprot: P05787)  Product Application Details  Applications Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunochistochemistry (D570F-ready)               | Storage  | Store at -20 to -80C. Avoid freeze-thaw cycles.   |
| Preservative   No Preservative   Isotype   IgG1 Kappa   Purity   Protein A or G purified   Buffer   10 mM PBS   Target Molecular Weight   52.5 kDa   Product 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 (NBP2-34352).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. Host   Mouse   Gene ID   3856   Gene Symbol   KRT8   Species   Human, Rat (Negative)   Reactivity Notes   Does not react with Rat. Specificity/Sensitivity   Epitope of this monoclonal antibody is located between aa343-357. Cytokeratin (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is pasent in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies the recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as colon stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcomac, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 and CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen   Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready Western Blot, O.5-1.0 ug/ml, Flow Cytometry 0.5-1 ug/million cells,                    | Clonality  | Monoclonal  |
| Isotype  | Clone  | SPM192  |
| Purity Protein A or G purified  Buffer 10 mM PBS  Target Molecular Weight 52.5 kDa  Product 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 (NBP2-34352).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.  Host Mouse  Gene ID 3856  Gene Symbol KRT8  Species Human, Rat (Negative)  Reactivity Notes Does not react with Rat.  Specificity/Sensitivity  Epitope of this monoclonal antibody is located between aa343-357. Cytokeratin (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies the recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandure epithelia such as color stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 an CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen  Keratin preparation from a human carcinoma (Uniprot: P05787)  Product Application Details  Applications  Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunofistochemistry-Paraffin, CyTOF-ready Western Blot 0.5-1.0ug/ml, Flow Cytometry 0.5-1ug/million cells, | Preservative   | No Preservative   |
| Buffer 10 mM PBS Target Molecular Weight 52.5 kDa  Product Description  1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITH-DUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34352).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.  Host Mouse Gene ID 3856 Gene Symbol KRT8 Species Human, Rat (Negative) Reactivity Notes Does not react with Rat. Specificity/Sensitivity  Epitope of this monoclonal antibody is located between aa343-357. Cytokeratin (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies the recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as color stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 an CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen  Keratin preparation from a human carcinoma (Uniprot: P05787)  Product Application Details  Applications  Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready Western Blot 0.5-1.0ug/ml, Flow Cytometry 0.5-1ug/million cells,                                    | Isotype  | IgG1 Kappa  |
| Target Molecular Weight  Product 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 (NBP2-34352).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.  Mouse  Gene ID  3856  Gene Symbol  KRT8  Species  Human, Rat (Negative)  Reactivity Notes  Does not react with Rat.  Specificity/Sensitivity  Epitope of this monoclonal antibody is located between aa343-357. Cytokeratin (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies the recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as color stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 an CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen  Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunofistochemistry-Paraffin, CyTOF-ready  Recommended Dilutions  Western Blot 0.5-1.0ug/ml, Flow Cytometry 0.5-1 ug/million cells,   | Purity   | Protein A or G purified   |
| Product 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 (NBP2-34352).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.  Host Mouse  Gene ID 3856  Gene Symbol KRT8  Species Human, Rat (Negative)  Reactivity Notes Does not react with Rat.  Specificity/Sensitivity Epitope of this monoclonal antibody is located between aa343-357. Cytokeratin (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies the recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as color stomach, small intestine, trachea, and esophagus as well as in transitional epithellium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 an CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen Keratin preparation from a human carcinoma (Uniprot: P05787)  Product Application Details  Applications Western Blot, Flow Cytometry, Immunocytochemistry-Paraffin, CyTOF-ready  | Buffer   | 10 mM PBS   |
| 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 (NBP2-34352).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.  Host Mouse  Gene ID 3856  Gene Symbol KRT8  Species Human, Rat (Negative)  Reactivity Notes Does not react with Rat.  Specificity/Sensitivity Epitope of this monoclonal antibody is located between aa343-357. Cytokeratin (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies the recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as color stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epitheliod sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 an CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Recommended Dilutions  | Target Molecular Weight                              | 52.5 kDa  |
| Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34352).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.  Host Mouse  Gene ID 3856  Gene Symbol KRT8  Species Human, Rat (Negative)  Reactivity Notes Does not react with Rat.  Specificity/Sensitivity Epitope of this monoclonal antibody is located between aa343-357. Cytokeratin (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies the recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as color stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 an CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen Keratin preparation from a human carcinoma (Uniprot: P05787)  Product Application Details  Applications Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready   | Product Description                                  |   |
| Gene Symbol  Species  Human, Rat (Negative)  Does not react with Rat.  Specificity/Sensitivity  Epitope of this monoclonal antibody is located between aa343-357. Cytokeratin (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies that recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as color stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 an CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen  Keratin preparation from a human carcinoma (Uniprot: P05787)  Product Application Details  Applications  Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Recommended Dilutions  Western Blot 0.5-1.0ug/ml, Flow Cytometry 0.5-1ug/million cells,   | Description  | Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34352).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to  |
| Species  | Host   | Mouse   |
| Species   Human, Rat (Negative)  | Gene ID  | 3856  |
| Reactivity Notes  Does not react with Rat.  Epitope of this monoclonal antibody is located between aa343-357. Cytokeratin (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies the recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as color stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 an CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen  Keratin preparation from a human carcinoma (Uniprot: P05787)  Product Application Details  Applications  Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Recommended Dilutions  Western Blot 0.5-1.0ug/ml, Flow Cytometry 0.5-1ug/million cells,  | Gene Symbol  | KRT8  |
| Specificity/Sensitivity  Epitope of this monoclonal antibody is located between aa343-357. Cytokeratin (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies the recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as color stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 an CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen  Immunogen  Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Recommended Dilutions  Western Blot 0.5-1.0ug/ml, Flow Cytometry 0.5-1ug/million cells,   | Species  | Human, Rat (Negative)   |
| (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies that recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as color stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 an CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () carcinoma of the breast.  Immunogen  Keratin preparation from a human carcinoma (Uniprot: P05787)  Product Application Details  Applications  Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Recommended Dilutions  Western Blot 0.5-1.0ug/ml, Flow Cytometry 0.5-1ug/million cells,   | Reactivity Notes                                     | Does not react with Rat.  |
| Product Application Details  Applications  Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Recommended Dilutions  Western Blot 0.5-1.0ug/ml, Flow Cytometry 0.5-1ug/million cells,  | Specificity/Sensitivity                              | cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies that recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as colon, stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 and CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular () |
| Applications  Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Recommended Dilutions  Western Blot 0.5-1.0ug/ml, Flow Cytometry 0.5-1ug/million cells,   | Immunogen  | Keratin preparation from a human carcinoma (Uniprot: P05787)  |
| Recommended Dilutions Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready Western Blot 0.5-1.0ug/ml, Flow Cytometry 0.5-1ug/million cells,  | Product Application Details                          |   |
|  | Applications   |   |
| Immunohistochemistry, Immunocytochemistry/ Immunofiuorescence 1-2ug/mi, Immunohistochemistry-Paraffin 0.5-1.0ug/ml, CyTOF-ready  | Recommended Dilutions                                | Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2ug/ml,   |

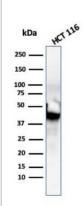


#### **Application Notes**

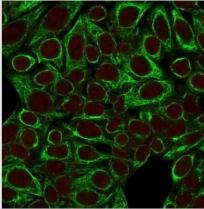
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

#### **Images**

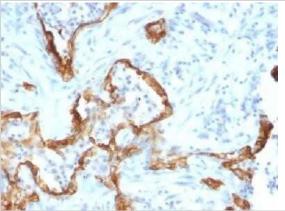
Western Blot: Cytokeratin 8 Antibody (SPM192) - Azide and BSA Free [NBP2-34400] - Western Blot Analysis of HCT116 cell lysate using Cytokeratin 8 MAb (SPM192).



Immunocytochemistry/Immunofluorescence: Cytokeratin 8 Antibody (SPM192) - Azide and BSA Free [NBP2-34400] - Immunofluorescence Analysis of HeLa cells labeling CK8 with Cytokeratin 8 Antibody (SPM192) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot (Red).



Immunohistochemistry-Paraffin: Cytokeratin 8 Antibody (SPM192) - Azide and BSA Free [NBP2-34400] - Formalin-fixed paraffin-embedded human lung carcinoma stained with cytokeratin monoclonal antibody.





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General: novus@novusbio.com

### Products Related to NBP2-34400-0.1mg

HAF007 Goat anti-Mouse IgG Secondary Antibody [HRP]

NB720-B Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]

NBP1-43319-0.5mg Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-23166 Recombinant Human Cytokeratin 8 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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