Product Datasheet

Cytokeratin 8 Antibody (H1) - Azide and BSA Free
NBP2-34626-0.1mg

Unit Size: 0.1 mg

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

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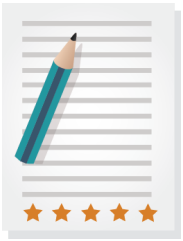


NBP2-34626-0.1mg

Cytokeratin 8 Antibody (H1) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	H1
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	52.5 kDa

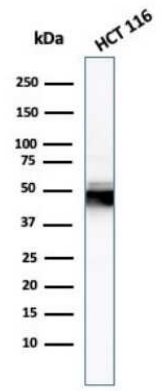
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34265). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	3856
Gene Symbol	KRT8
Species	Human, Rat, Zebrafish
Specificity/Sensitivity	Cytokeratin 8 (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 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 () carcinoma of the breast.
Immunogen	Cytoskeleton preparation containing cytokeratin 8 (Uniprot: P05787)

Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 0.5-1.0ug/ml, Simple Western, Flow Cytometry 0.5-1ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2ug/ml, Immunohistochemistry-Paraffin 0.5-1.0ug/ml, CyTOF-ready

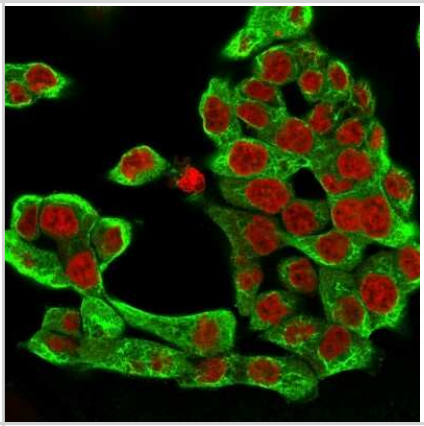
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be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

Images

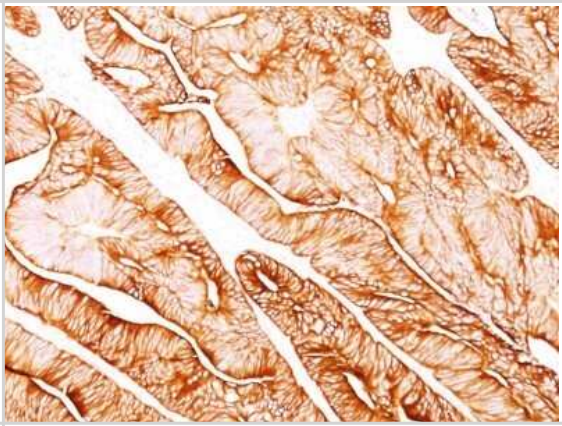
Western Blot: Cytokeratin 8 Antibody (H1) - Azide and BSA Free [NBP2-34626] - Western Blot Analysis of HCT116 cell lysate using Cytokeratin 8 Mouse Monoclonal Antibody (H1).



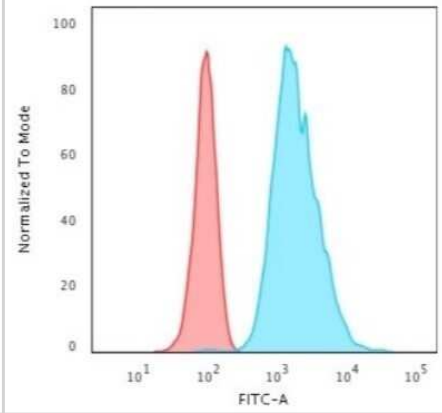
Immunocytochemistry/Immunofluorescence: Cytokeratin 8 Antibody (H1) - Azide and BSA Free [NBP2-34626] - Immunofluorescence Analysis of HCT116 cells labeling CK8 with Cytokeratin 8 Mouse Monoclonal Antibody (H1) followed by Goat anti-mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).

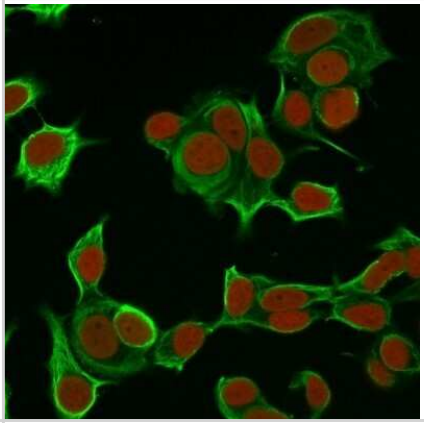
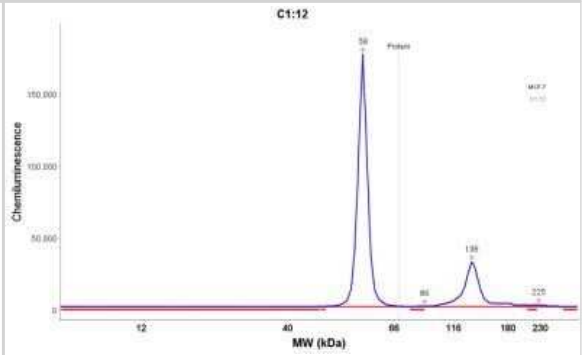


Immunohistochemistry-Paraffin: Cytokeratin 8 Antibody (H1) - Azide and BSA Free [NBP2-34626] - Formalin-fixed, paraffin-embedded human colon carcinoma stained with Cytokeratin 8 MAb (H1).



Flow Cytometry: Cytokeratin 8 Antibody (H1) - Azide and BSA Free [NBP2-34626] - Flow Cytometric Analysis of HeLa cells using Cytokeratin 8 Antibody (H1) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunocytochemistry/Immunofluorescence: Cytokeratin 8 Antibody (H1) - Azide and BSA Free [NBP2-34626] - Immunofluorescence Analysis of MCF-7 cells labeling CK8 with Cytokeratin 8 Antibody (H1) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot.(Red).	
Simple Western: Cytokeratin 8 Antibody (H1) - Azide and BSA Free [NBP2-34626] - Simple Western lane view shows a specific band for Cytokeratin 8 in 0.2 mg/ml of MCF-7 lysate(s). This experiment was performed under reducing conditions using the 12-230 kDa separation system.	
Simple Western: Cytokeratin 8 Antibody (H1) - Azide and BSA Free [NBP2-34626] - Electropherogram image of the corresponding Simple Western lane. Cytokeratin 8 antibody was used at 10 ug/ml dilution of MCF-7 lysates(s) respectively.	

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Products Related to NBP2-34626-0.1mg

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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