

Product Datasheet

Cytokeratin 7 Antibody (KRT7/760)

NBP2-44813-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-44813-0.1mg

Cytokeratin 7 Antibody (KRT7/760)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	KRT7/760
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	55 kDa

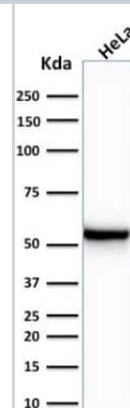
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47939) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	3855
Gene Symbol	KRT7
Species	Human
Marker	Glandular and Transitional Epithelial Marker
Specificity/Sensitivity	It recognizes an intermediate filament protein (IFP) of 55kDa, which is identified as cytokeratin 7. This monoclonal antibody is highly specific to cytokeratin 7 and shows no cross-reaction with other IFPs. Cytokeratin 7 is a basic cytokeratin, which is found in most glandular and transitional epithelia but not in the stratified squamous epithelia. Keratin 7 is expressed in the epithelial cells of ovary, lung, and breast but not of colon, prostate, or gastrointestinal tract. This monoclonal antibody is highly useful in distinguishing ovarian carcinomas (keratin 7+) from colon carcinomas (keratin 7-).
Immunogen	Recombinant full-length human Cytokeratin 7 protein (Uniprot: P08729)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/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.

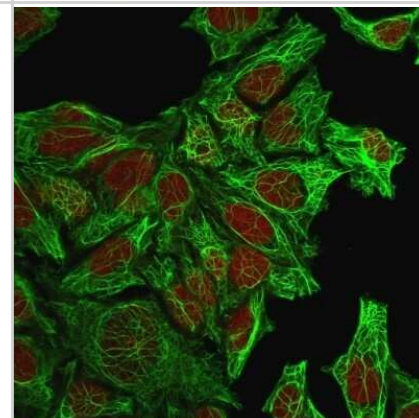


Images

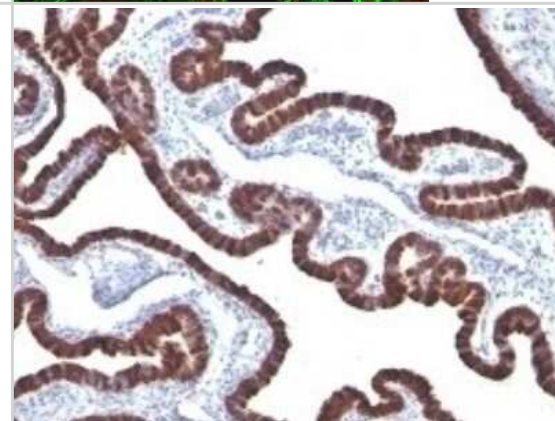
Western Blot: Cytokeratin 7 Antibody (KRT7/760) [NBP2-44813] - Western Blot Analysis of human HeLa cell lysate using Cytokeratin 7 Antibody (KRT7/760).



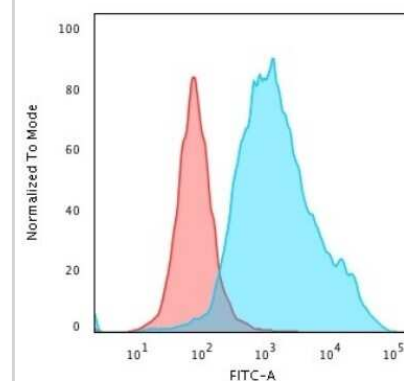
Immunocytochemistry/Immunofluorescence: Cytokeratin 7 Antibody (KRT7/760) [NBP2-44813] - Immunofluorescent staining of methanol-fixed HeLa cells. Cytokeratin 7 Antibody (KRT7/760) followed by goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot.



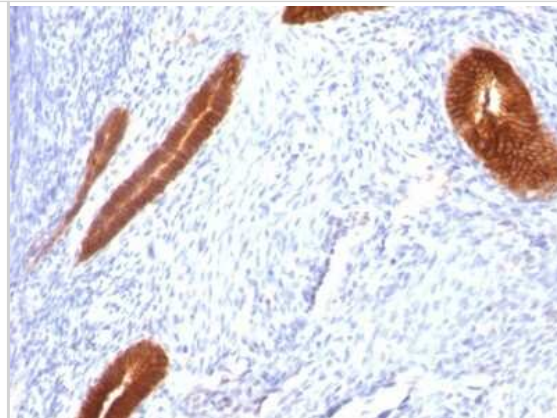
Immunohistochemistry-Paraffin: Cytokeratin 7 Antibody (KRT7/760) [NBP2-44813] - Human Ovarian Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (KRT7/760)



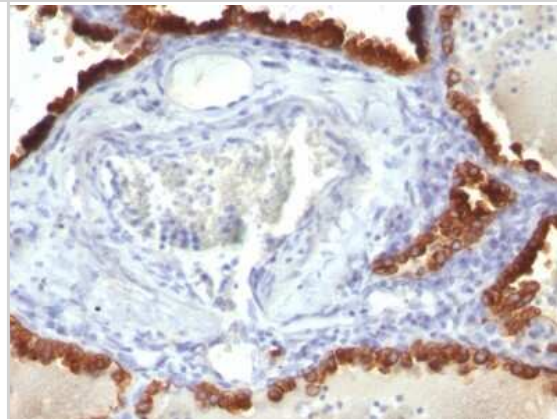
Flow Cytometry: Cytokeratin 7 Antibody (KRT7/760) [NBP2-44813] - Flow Cytometric Analysis of paraformaldehyde-fixed HeLa cells. Cytokeratin 7 Antibody (KRT7/760) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry-Paraffin: Cytokeratin 7 Antibody (KRT7/760)
[NBP2-44813] - Human Endometrial Carcinoma stained with Cytokeratin 7
Monoclonal Antibody (KRT7/760)



Immunohistochemistry-Paraffin: Cytokeratin 7 Antibody (KRT7/760)
[NBP2-44813] - Human Lung Carcinoma stained with Cytokeratin 7
Monoclonal Antibody (KRT7/760)



Publications

Khan M, Yoo SJ, Clijsters M et al. Visualizing in deceased COVID-19 patients how SARS-CoV-2 attacks the respiratory and olfactory mucosae but spares the olfactory bulb Cell 2021-11-01 [PMID: 34798069] (IF/IHC)

Details:

Citation using the Alexa Fluor 488 format of this antibody.



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Products Related to NBP2-44813-0.1mg

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)
H00003855-P01-10ug	Recombinant Human Cytokeratin 7 GST (N-Term) 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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