

# Product Datasheet

## Cytokeratin 18 Antibody (KRT18/835)

### NBP2-44949-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-44949-0.1mg**

Cytokeratin 18 Antibody (KRT18/835)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	KRT18/835
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	45 kDa

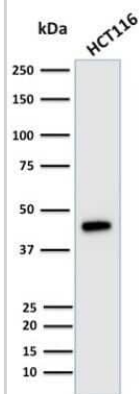
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47986)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	3875
Gene Symbol	KRT18
Species	Human, Bovine (Negative), Canine (Negative), Hamster (Negative), Porcine (Negative), Rat (Negative), Sheep (Negative)
Reactivity Notes	Does not react with Rat, Sheep, Hamster, Bovine, Canine or Porcine.
Marker	Epithelial Marker
Specificity/Sensitivity	This monoclonal antibody reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid. Cytokeratin 18, which belongs to the type A (acidic) subfamily of low molecular weight keratins, exists in combination with cytokeratin 8. It is reported that tissues from gastrointestinal tract are positive for both cytokeratin 8 and 18 but do not contain cytokeratin 14. Tissues from gastrointestinal tract, respiratory tract and urogenital tract, as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.
Immunogen	Recombinant full-length human Cytokeratin 18 protein (Uniprot: P05783)

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
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.

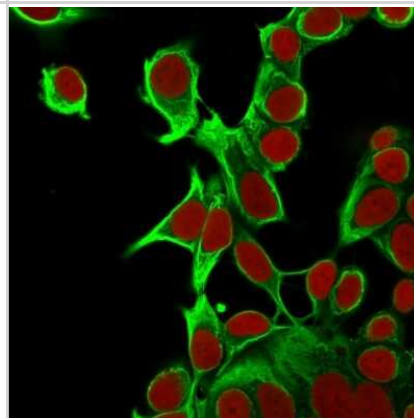


## Images

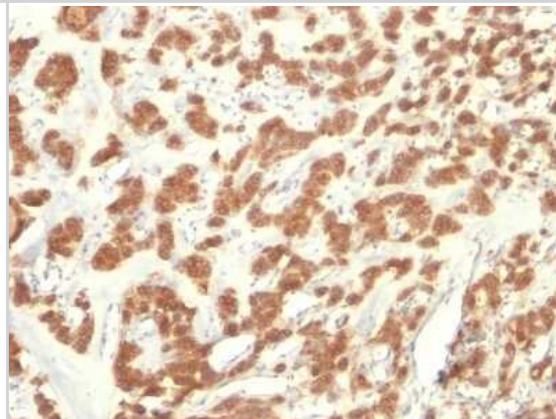
Western Blot: Cytokeratin 18 Antibody (KRT18/835) [NBP2-44949] - Western Blot Analysis of human HCT116 cell lysate using Cytokeratin 18 Antibody (KRT18/835).



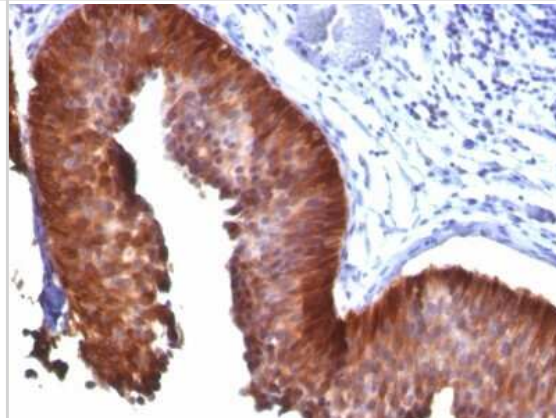
Immunocytochemistry/Immunofluorescence: Cytokeratin 18 Antibody (KRT18/835) [NBP2-44949] - Confocal immunofluorescence image of MCF cells using Cytokeratin 18 Antibody (KRT18/835) Green (CF488) and Red Dot is used to label the nuclei.



Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (KRT18/835) [NBP2-44949] - Human Thyroid Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (KRT18/835).



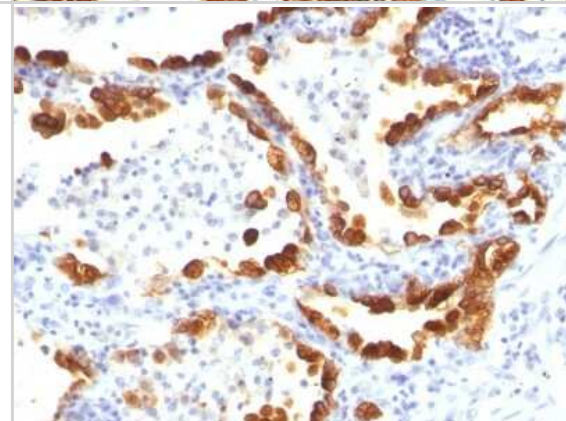
Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (KRT18/835) [NBP2-44949] - Human Bladder Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (KRT18/835).



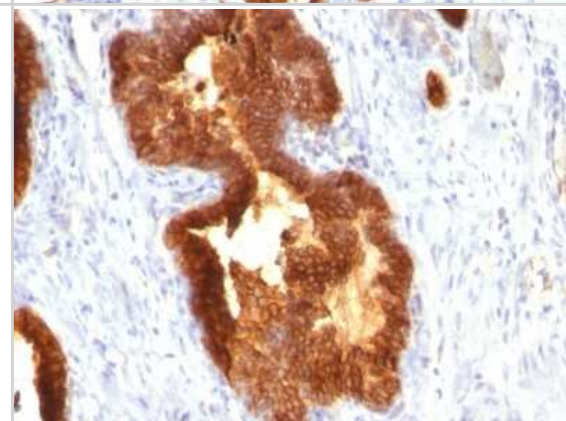
Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (KRT18/835) [NBP2-44949] - Human Colon Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (KRT18/835).



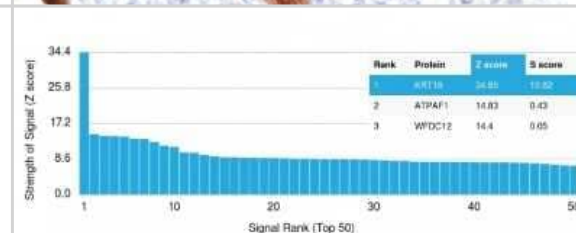
Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (KRT18/835) [NBP2-44949] - Human Lung Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (KRT18/835).



Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (KRT18/835) [NBP2-44949] - Human Prostate Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (KRT18/835).



Protein Array: Cytokeratin 18 Antibody (KRT18/835) [NBP2-44949] - Analysis of Protein Array containing >19,000 full-length human proteins using Cytokeratin 18 Antibody (KRT18/835) 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 (SD's) 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 SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5.





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### **Products Related to NBP2-44949-0.1mg**

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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)
H00003875-P02-10ug	Recombinant Human Cytokeratin 18 GST (N-Term) Protein

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### **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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