

Product Datasheet

Cytokeratin 18 Antibody (KRT18/835) - Azide and BSA Free NBP2-47986-0.1mg

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-47986

Updated 10/23/2024 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-47986



NBP2-47986-0.1mg

Cytokeratin 18 Antibody (KRT18/835) - 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	KRT18/835
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	45 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 (NBP2-44949). 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, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, 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.

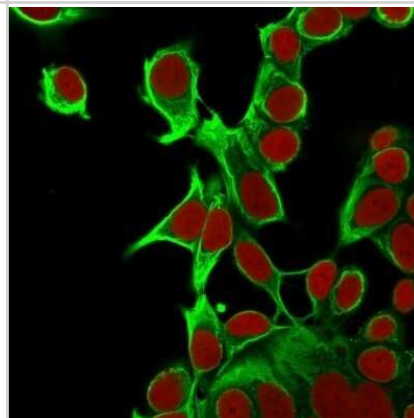


Images

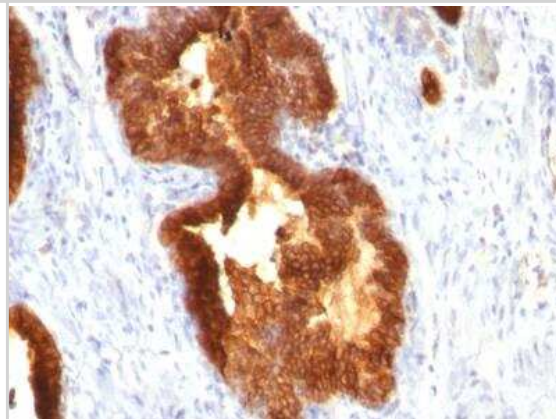
Western Blot: Cytokeratin 18 Antibody (KRT18/835) - Azide and BSA Free [NBP2-47986] - Western Blot Analysis of human HCT116 cell lysate using Cytokeratin 18 Antibody (KRT18/835).



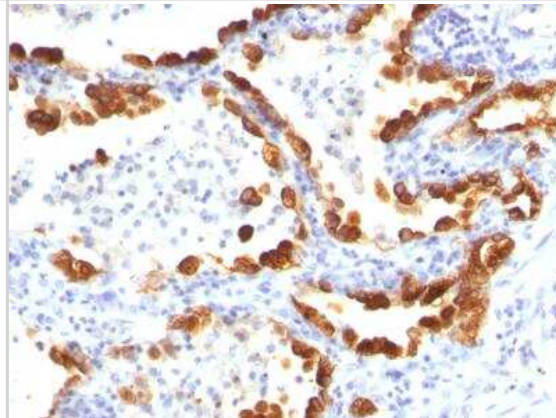
Immunocytochemistry/Immunofluorescence: Cytokeratin 18 Antibody (KRT18/835) - Azide and BSA Free [NBP2-47986] - Confocal immunofluorescence image of MCF cells using Cytokeratin 18 Antibody (KRT18/835) Green (CF488) and Red Dot is used to label the nuclei.



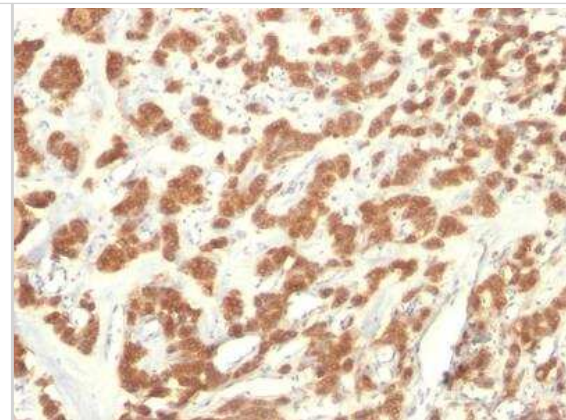
Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (KRT18/835) - Azide and BSA Free [NBP2-47986] - Formalin-fixed, paraffin-embedded human Prostate Cancer stained with Cytokeratin 18 Mouse Monoclonal Antibody (KRT18/835).



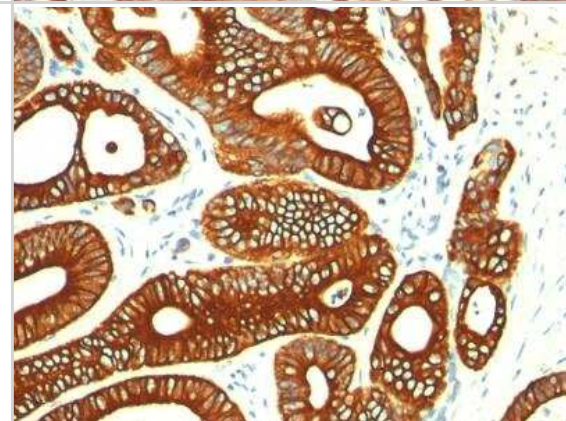
Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (KRT18/835) - Azide and BSA Free [NBP2-47986] - Formalin-fixed, paraffin-embedded human Lung Cancer stained with Cytokeratin 18 Mouse Monoclonal Antibody (KRT18/835).



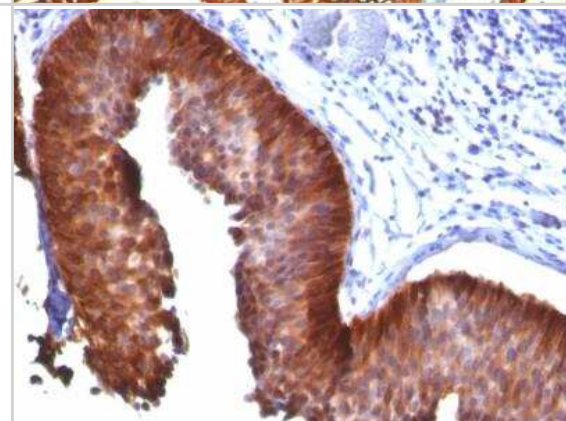
Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (KRT18/835) - Azide and BSA Free [NBP2-47986] - Formalin-fixed, paraffin-embedded human Thyroid Cancer stained with Cytokeratin 18 Mouse Monoclonal Antibody (KRT18/835).



Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (KRT18/835) - Azide and BSA Free [NBP2-47986] - Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 18 Mouse Monoclonal Antibody (KRT18/835).



Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (KRT18/835) - Azide and BSA Free [NBP2-47986] - Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Cytokeratin 18 Mouse Monoclonal Antibody (KRT18/835).



Protein Array: Cytokeratin 18 Antibody (KRT18/835) - Azide and BSA Free [NBP2-47986] - 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 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 NBP2-47986-0.1mg

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)
H00003875-P01-10ug	Recombinant Human Cytokeratin 18 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-47986

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

