

Product Datasheet

Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) - Azide and BSA Free NBP2-47942-0.1mg

Unit Size: 0.1 mg

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

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NBP2-47942-0.1mg

Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) - 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	KRT7/760 + KRT7/903
Preservative	No Preservative
Isotype	IgG1 Kappa/IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	55 kDa

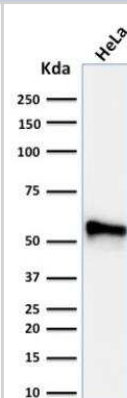
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44818). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	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, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Western Blot, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1 - 2 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml, CyTOF-ready
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 Buffer 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.

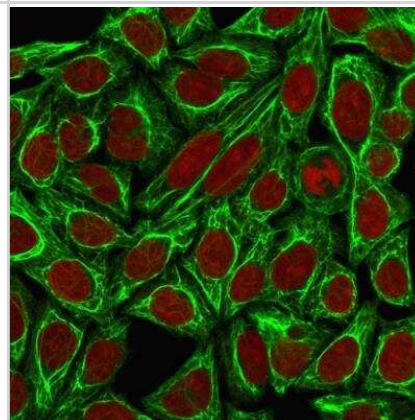


Images

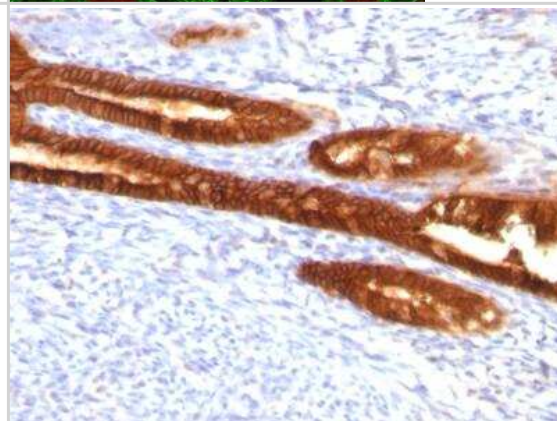
Western Blot: Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) - Azide and BSA Free [NBP2-47942] - HeLa cell lysate using Cytokeratin 7 Mouse Monoclonal Antibody (KRT7/760 + KRT7/903).



Immunocytochemistry/Immunofluorescence: Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) - Azide and BSA Free [NBP2-47942] - HeLa cells labeling Cytokeratin 7 with KRT7 Mouse Monoclonal Antibody (OV-TL12/30) conjugated with CF488 (Green). The nuclear counterstain is Reddot (red).



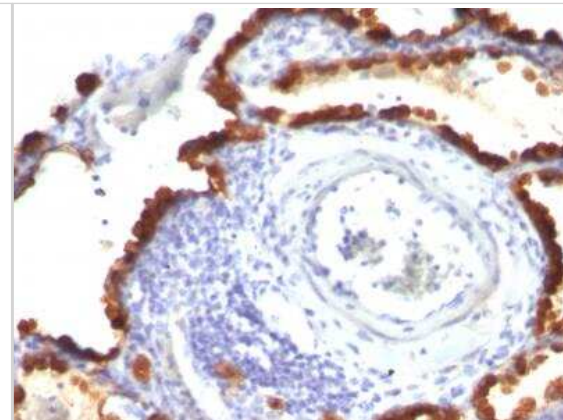
Immunohistochemistry-Paraffin: Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) - Azide and BSA Free [NBP2-47942] - Human Endometrial Ca stained with Cytokeratin 7 Mouse Monoclonal Antibody (KRT7/760 + KRT7/903).



Immunohistochemistry-Paraffin: Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) - Azide and BSA Free [NBP2-47942] - Human Ovarian Ca stained with Cytokeratin 7 Mouse Monoclonal Antibody (KRT7/760 + KRT7/903).



Immunohistochemistry-Paraffin: Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) - Azide and BSA Free [NBP2-47942] - Human Lung Ca stained with Cytokeratin 7 Mouse Monoclonal Antibody (KRT7/760 + KRT7/903).





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 NBP2-47942-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
H00003855-P01-10ug	Recombinant Human Cytokeratin 7 GST (N-Term) Protein
8184-CK-050	Choline Kinase beta [Unconjugated]

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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