

# Product Datasheet

## Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) NBP2-44818-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-44818-0.1mg**

Cytokeratin 7 Antibody (KRT7/760 + KRT7/903)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	KRT7/760 + KRT7/903
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa/IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	55 kDa

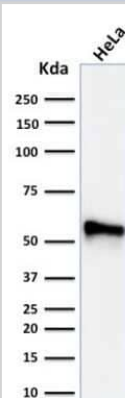
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47942)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 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, 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 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.

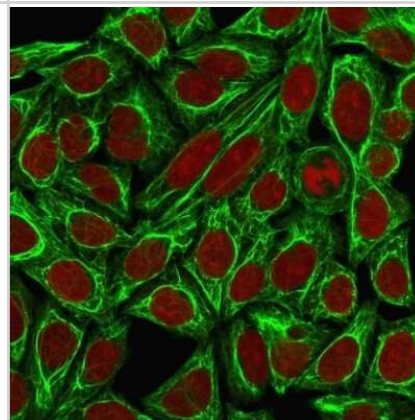


## Images

Western Blot: Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) [NBP2-44818] - Western Blot Analysis of human HeLa cell lysate using Cytokeratin 7 Antibody (KRT7/760 + KRT7/903).



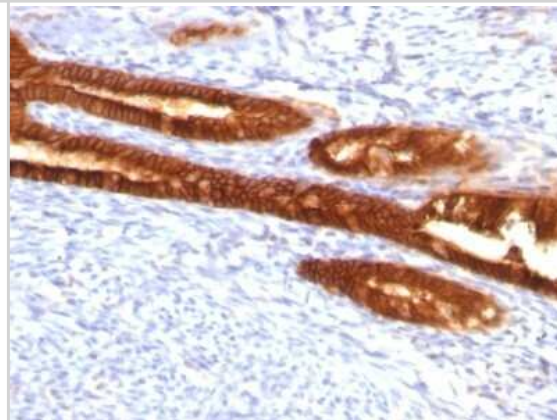
Immunocytochemistry/Immunofluorescence: Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) [NBP2-44818] - Immunofluorescence Analysis of HeLa cells labeling Cytokeratin 7 with Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) conjugated with CF488 (Green). The nuclear counterstain is Red Dot (red).



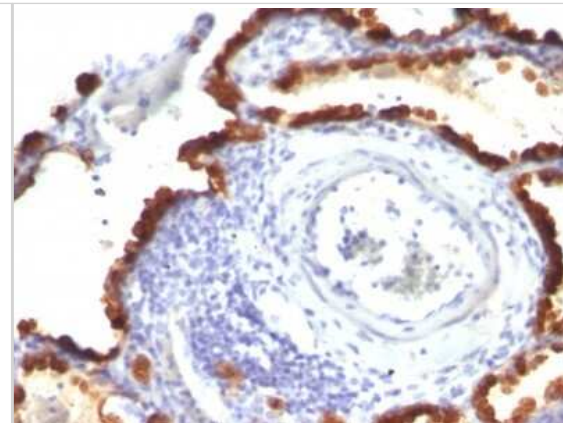
Immunohistochemistry-Paraffin: Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) [NBP2-44818] - Human Ovarian Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (KRT7/760 + KRT7/903)



Immunohistochemistry-Paraffin: Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) [NBP2-44818] - Human Endometrial Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (KRT7/760 + KRT7/903)



Immunohistochemistry-Paraffin: Cytokeratin 7 Antibody (KRT7/760 + KRT7/903) [NBP2-44818] - Human Lung Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (KRT7/760 + KRT7/903)





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### **Products Related to NBP2-44818-0.1mg**

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

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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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