

# Product Datasheet

## Cytokeratin 18 Antibody (KRT18/2808R) NBP3-07692-100ug

Unit Size: 100 ug

Store at 4C.

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**NBP3-07692-100ug****Cytokeratin 18 Antibody (KRT18/2808R)**

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	KRT18/2808R
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	45 kDa

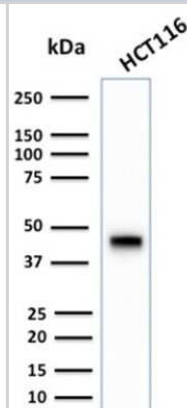
Product Description	
Description	<p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA &amp; 0.05% azide. Also available WITHOUT BSA &amp; azide at 1.0 mg/ml. (NBP3-08634)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>
Host	Rabbit
Gene ID	3875
Gene Symbol	KRT18
Species	Human
Reactivity Notes	Does not react with Canine.
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 human full-length Cytokeratin 18 protein (Uniprot: P05783)

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 min at RT. Staining of formalin-fixed tissues is enhanced by 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.

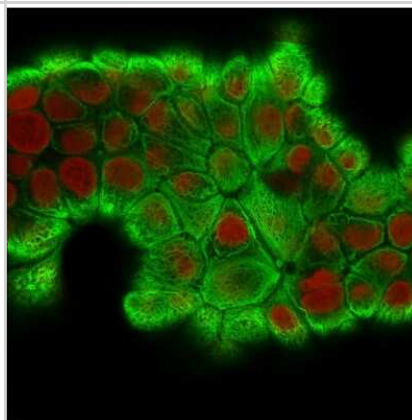


## Images

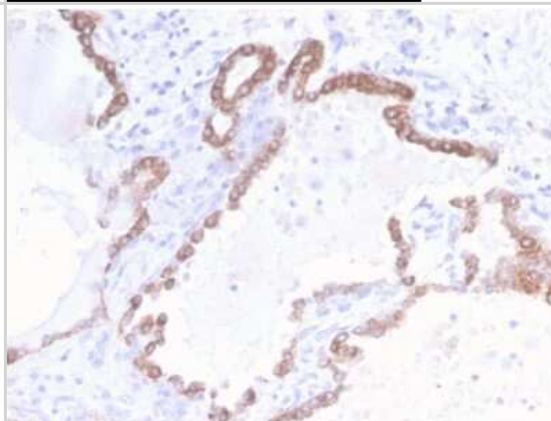
Western Blot: Cytokeratin 18 Antibody (KRT18/2808R) [NBP3-07692] - Western Blot Analysis of human HCT116 cell lysate using Cytokeratin 18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R).



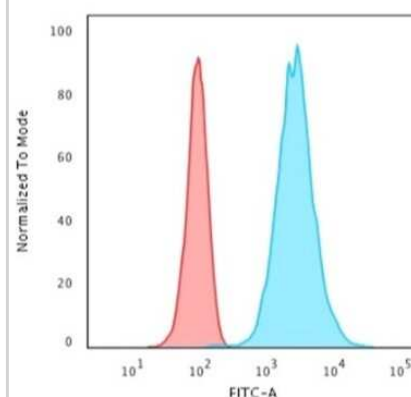
Immunocytochemistry/Immunofluorescence: Cytokeratin 18 Antibody (KRT18/2808R) [NBP3-07692] - Immunofluorescence Analysis of MCF-7 cells labeling Cytokeratin 18 with Cytokeratin 18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R) followed by goat anti- Mouse IgG-CF488 (Green). The nuclear counterstain is RedDot (Red).



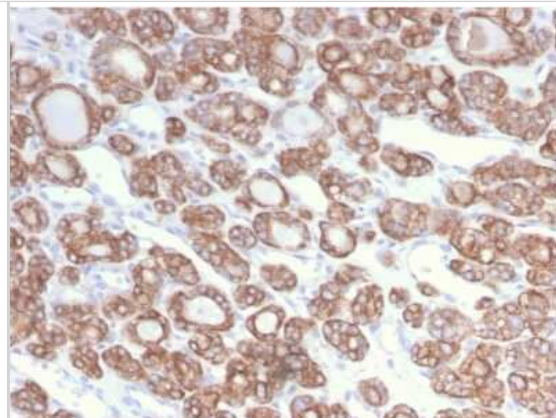
Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (KRT18/2808R) [NBP3-07692] - Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R).



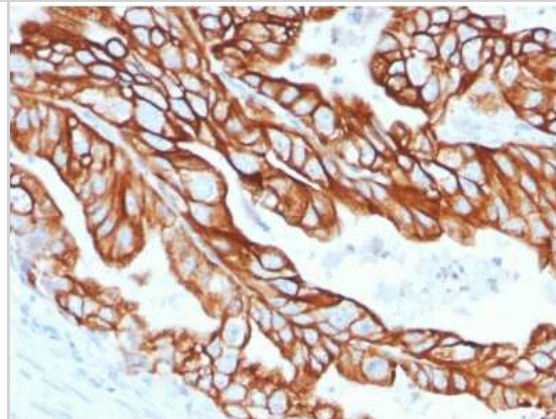
Flow Cytometry: Cytokeratin 18 Antibody (KRT18/2808R) [NBP3-07692] - Flow Cytometric Analysis of HeLa cells using Cytokeratin 18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R) followed by Goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (KRT18/2808R) [NBP3-07692] - Formalin-fixed, paraffin-embedded human Thyroid Carcinoma stained with Cytokeratin 18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R).



Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (KRT18/2808R) [NBP3-07692] - Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R).





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### **Products Related to NBP3-07692-100ug**

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00003875-P02-10ug	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.

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