

# Product Datasheet

## Cytokeratin 7 Antibody (KRT7/1499R)

**NBP2-49880-0.1mg**

Unit Size: 0.1 mg

Store at 4C.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 1

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**NBP2-49880-0.1mg**

Cytokeratin 7 Antibody (KRT7/1499R)

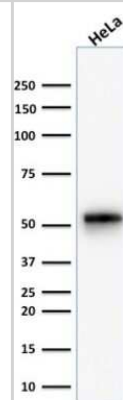
Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	KRT7/1499R
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	55 kDa

Product Description	
Description	200ug/ml of antibody purified by Protein A Column. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-49881)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Rabbit
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)

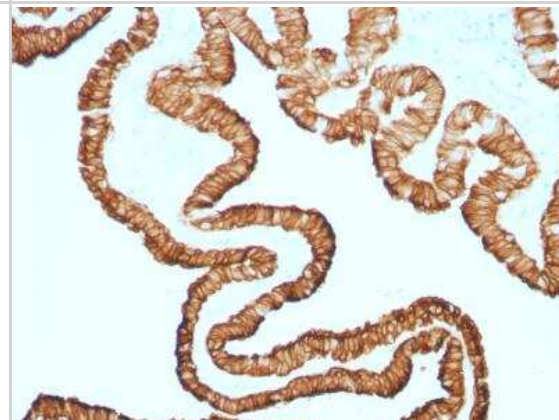
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes 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

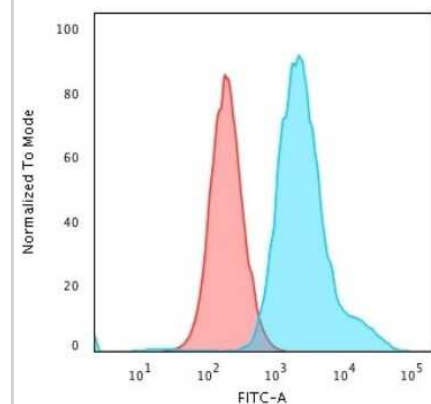
Western Blot: Cytokeratin 7 Antibody (KRT7/1499R) [NBP2-49880] - Western Blot Analysis of human HeLa cell lysate using Cytokeratin 7 Antibody (KRT7/1499R).



Immunohistochemistry-Paraffin: Cytokeratin 7 Antibody (KRT7/1499R) [NBP2-49880] - Human Oviduct stained with Cytokeratin 7 Rabbit Monoclonal Antibody (KRT7/1499R)



Flow Cytometry: Cytokeratin 7 Antibody (KRT7/1499R) [NBP2-49880] - Flow Cytometric Analysis of PFA-fixed HeLa cells using Cytokeratin 7 Antibody (KRT7/1499R) followed by Goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red)



## Publications

Vinketova K, Karagoyozov I, Koleva V et al. Progesterone and cyclic adenosine monophosphate down-regulate CD90 in the stromal cells of human decidua. In vitro evidence and in situ findings *Am. J. Reprod. Immunol.* 2018-08-26 [PMID: 30151982] (FLOW, Human)



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### **Products Related to NBP2-49880-0.1mg**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00003855-P01-10ug	Recombinant Human Cytokeratin 7 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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