

# Product Datasheet

## Cytokeratin 7 Antibody (KRT7/760 + OV-TL12/30) - IHC- Prediluted NBP2-48144

Unit Size: 7 ml

Store at 4C.

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**NBP2-48144**

Cytokeratin 7 Antibody (KRT7/760 + OV-TL12/30) - IHC-Prediluted

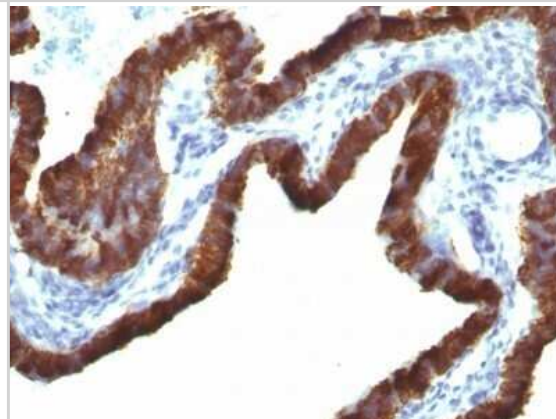
Product Information	
Unit Size	7 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C.
Clonality	Monoclonal
Clone	KRT7/760 + OV-TL12/30
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa/IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	55 kDa

Product Description	
Description	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
Host	Mouse
Gene ID	3855
Gene Symbol	KRT7
Species	Human, Rat
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 KRT7 protein (KRT7/760); OTN 11, ovarian carcinoma cell line (OV-TL12/30) (Uniprot: P08729)

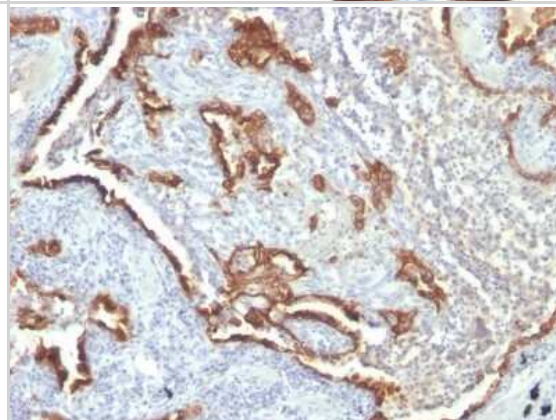
Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris 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

Immunohistochemistry-Paraffin: Cytokeratin 7 Antibody (KRT7/760 + OV-TL12/30) - IHC-Prediluted [NBP2-48144] - Human Ovarian Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (KRT7/760 + OV-TL12/30)



Immunohistochemistry-Paraffin: Cytokeratin 7 Antibody (KRT7/760 + OV-TL12/30) - IHC-Prediluted [NBP2-48144] - Human Lung Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (KRT7/760 + OV-TL12/30)



## Publications

Cheng S, Huang Z, Nakashima A, Sharma S Gestational Age-Dependent Regulation of Transthyretin in Mice during Pregnancy Biology 2023-07-26 [PMID: 37626934] (IHC-P, Mouse)



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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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