

# Product Datasheet

## Cytokeratin 17 Antibody (KRT17/4604) - Azide and BSA Free NBP3-08541

Unit Size: 100 ug

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

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**NBP3-08541**

Cytokeratin 17 Antibody (KRT17/4604) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	KRT17/4604
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	46 kDa

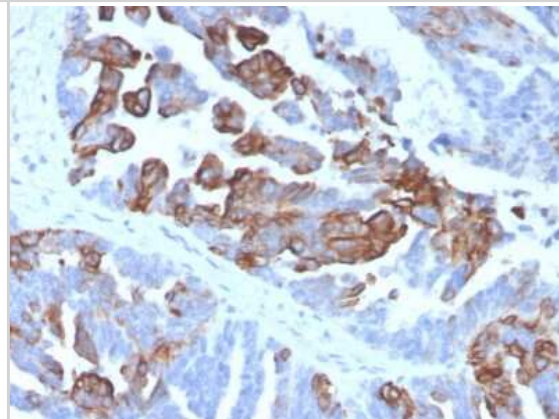
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-07682).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	3872
Gene Symbol	KRT17
Species	Human
Marker	Basal Epithelial Marker
Specificity/Sensitivity	Cytokeratin 17 (CK17) is normally expressed in the basal cells of complex epithelia but not in stratified or simple epithelia. Antibody to CK17 is an excellent tool to distinguish myoepithelial cells from luminal epithelium of various glands such as mammary, sweat and salivary. CK17 is expressed in epithelial cells of various origins, such as bronchial epithelial cells and skin appendages. It may be considered as epithelial stem cell marker because CK17 Ab marks basal cell differentiation. CK17 is expressed in SCLC much higher than in LADC. Eighty-five percent of the triple negative breast carcinomas immunoreact with basal cytokeratins including anti-CK17. Also important is that cases of triple negative breast carcinoma with expression of CK17 show an aggressive clinical course. Additionally, anti-CK17 and anti-MUC1 immunoreactivity represents pancreaticobiliary subtype whereas anti-MUC2 and anti-CDX-2 positivity defines intestinal subtype.
Immunogen	Recombinant full-length human Cytokeratin 17 protein (Uniprot: Q04695)

Product Application Details	
Applications	Immunohistochemistry-Paraffin
Recommended Dilutions	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 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.

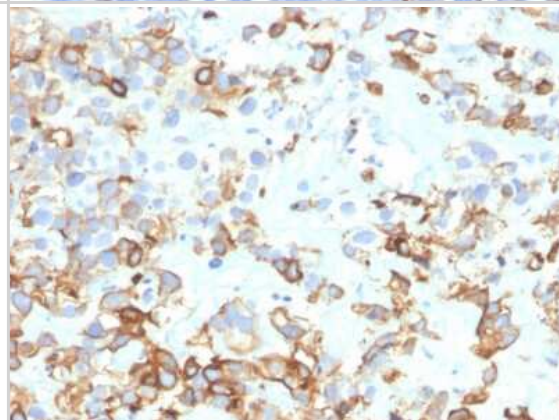


## Images

Immunohistochemistry-Paraffin: Cytokeratin 17 Antibody (KRT17/4604) - Azide and BSA Free [NBP3-08541] - Formalin-fixed, paraffin-embedded human prostate stained with Cytokeratin 17 Mouse Monoclonal Antibody (KRT17/4604).



Immunohistochemistry-Paraffin: Cytokeratin 17 Antibody (KRT17/4604) - Azide and BSA Free [NBP3-08541] - Formalin-fixed, paraffin-embedded human bladder carcinoma stained with Cytokeratin 17 Mouse Monoclonal Antibody (KRT17/4604).





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### **Products Related to NBP3-08541**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-51594-0.1mg	Recombinant Human Cytokeratin 17 His 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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