

# Product Datasheet

## Cytokeratin 18 Antibody (R20-H) NBP1-79072-100ul

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NBP1-79072-100ul****Cytokeratin 18 Antibody (R20-H)****Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	R20-H
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	20mM Tris-HCl (pH 8.0) and 20mg/ml BSA

**Product Description**

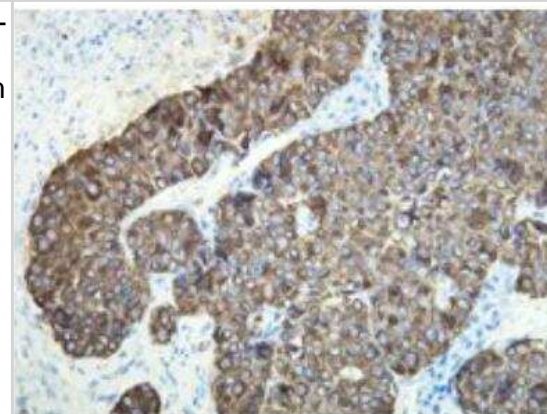
<b>Description</b>	This antibody is immunoaffinity purified with immunogenic peptide as a ligand.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3875
<b>Gene Symbol</b>	KRT18
<b>Species</b>	Human
<b>Marker</b>	Epithelial Marker
<b>Immunogen</b>	Peptide derived from C-terminal region of human cytokeratin 18. Antibody recognizes the epitope between Arg412 - Arg429.
<b>Notes</b>	This antibody is immunoaffinity purified with immunogenic peptide as a ligand.

**Product Application Details**

<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500

**Images**

Immunohistochemistry-Paraffin: Cytokeratin 18 Antibody (R20-H) [NBP1-79072] - CK18 expression in the adenosquamous carcinoma of the human pancreas. Formalin fixed, paraffin embedded human tissue (4 um section) stained with anti-Cytokeratin 18 monospecific clonal antibody.



## Procedures

### Immunohistochemistry-Paraffin protocol for Cytokeratin 18 Antibody (NBP1-79072)

IHC-P protocol (NBP1-79072):

1. Deparaffinize the section in 3 changes of xylene, 5 minutes each.
2. Wash the section in 96%, 80% and 70% benzyl alcohol for 5 minutes each.
3. Rinse in distilled water.
4. Block the endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) for 10 minutes.
5. Wash in distilled water.
6. For antigen retrieval: immerse the slide in Tris-EDTA buffer, pH 9.0, 0.05% Tween- 20\*, and incubate at 95C in water bath for 30 minutes or in microwave (850W) for 10 minutes.
7. Remove the staining to room temperature and let the slide to cool (in TRIS-EDTA buffer, pH 9.0) for 15 minutes.
8. Rinse in distilled water.
9. Wash in 0.05 M Tris-HCl , pH 7.6 buffer supplemented with 0.2% of Tween-20 (buffer A) for 5 minutes.
10. Incubate the section with primary antibody diluted in buffer A at the dilution 1:100 - 1:300 for 1 hour in the closed wet chamber.
11. Wash twice 5 minutes with buffer A.
12. Apply the secondary antibody (the protocol depends on the supplier), and proceed to standard immunohistochemistry protocol (HRP - Peroxide - DAB).
13. Wash twice 5 minutes with buffer A.
14. Apply the chromogen (DAB), 10 minutes.
15. Wash in water - 10 minutes.
16. Stain in hematoxylin for 5 minutes.
17. Wash in water - 10 minutes.
18. Dehydrate the section in 2 changes of 96% benzyl alcohol for 5 minutes each.
19. Wash the section in 2 changes of xylene for 2 minutes each.
20. Mount the slide for observation.





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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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