

## Product Datasheet

### Multi Cytokeratin Antibody (orb749949)

<b>Catalog Number</b>	orb749949
<b>Category</b>	Antibodies
<b>Description</b>	Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This mAb recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, including 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8); 56.5kDa (CK10); 53kDa (CK13) and 45kDa (CK18). This is a broad-spectrum mAb which has been reported to differentiate epithelial tumors from non-epithelial tumors. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis.
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Rat
<b>Buffer/Preservatives</b>	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
<b>Purification</b>	Protein G affinity chromatography
<b>Immunogen</b>	A Keratin-enriched preparation from cultured human epithelial cells was used as the immunogen for the Multi Cytokeratin antibody.
<b>UniProt ID</b>	multi
<b>Tested applications</b>	IHC-P
<b>Dilution range</b>	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT (1),Prediluted IHC only format: incubate for 30 min at RT (2)

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**Application notes**

Optimal dilution of the Multi Cytokeratin antibody should be determined by the researcher.1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

**Antibody Type**

Primary Antibody

**Clone Number**

KRT/457

**Storage**

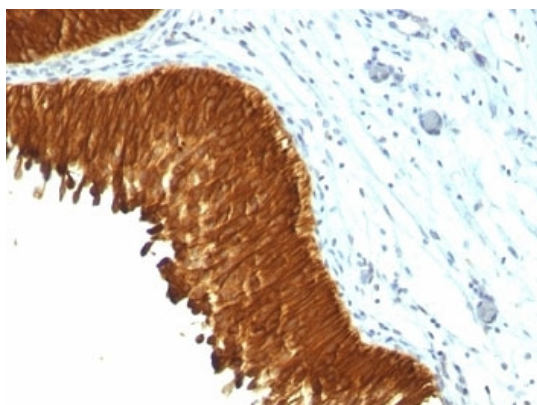
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Note**

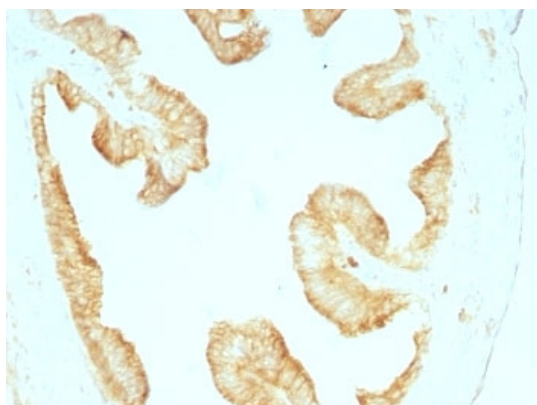
For research use only

**Expiration Date**

12 months from date of receipt.



IHC: Formalin-fixed, paraffin-embedded human bladder carcinoma stained with Multi Cytokeratin antibody (KRT/457).



IHC: Formalin-fixed, paraffin-embedded rat oviduct stained with Multi Cytokeratin antibody (KRT/457).

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