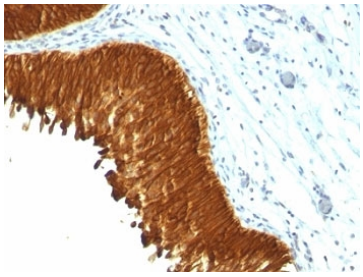
# Multi Cytokeratin Antibody [clone KRT/457] (V3065)

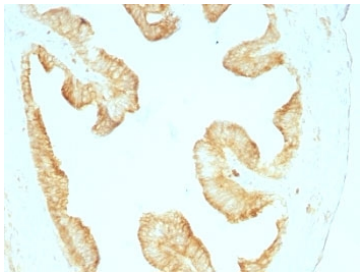
| Catalog No. | Formulation | Size |
|---|---|---|
| V3065-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V3065-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V3065SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V3065IHC-7ML | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Rat |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | KRT/457 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | multi |
| **Localization** | Cytoplasmic |
| **Applications** | Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT (1)<br>Prediluted IHC only format: incubate for 30 min at RT (2) |
| **Limitations** | This Multi Cytokeratin antibody is available for research use only. |



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).

## Description

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.

## 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.

## Immunogen

A Keratin-enriched preparation from cultured human epithelial cells was used as the immunogen for the Multi Cytokeratin antibody.

## Storage

Store the Multi Cytokeratin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).


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