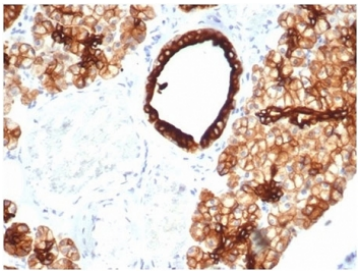
# Recombinant KRT7 Antibody / Cytokeratin 7 [clone KRT7/4387R] (V9566)

| Catalog No. | Formulation | Size |
|---|---|---|
| V9566-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9566-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V9566SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

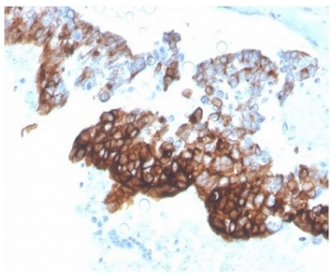
Recombinant RABBIT MONOCLONAL

**Bulk quote request**

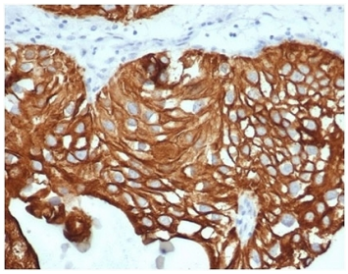
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Recombinant Rabbit Monoclonal |
| **Isotype** | Rabbit IgG, kappa |
| **Clone Name** | KRT7/4387R |
| **Purity** | Protein A/G affinity |
| **UniProt** | P08729 |
| **Localization** | Cytoplasm |
| **Applications** | Immunohistochemistry (FFPE) : 1-2ug/ml |
| **Limitations** | This recombinant KRT7 antibody is available for research use only. |



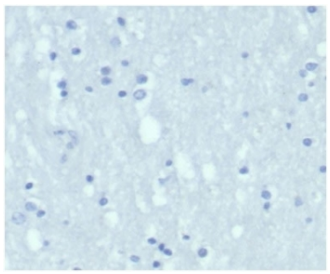
IHC staining of FFPE human salivary gland tissue with recombinant KRT7 antibody (clone KRT7/4387R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human ovarian carcinoma tissue with recombinant KRT7 antibody (clone KRT7/4387R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human bladder carcinoma tissue with recombinant KRT7 antibody (clone KRT7/4387R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Negative control: IHC staining of FFPE human brain tissue with recombinant KRT7 antibody (clone KRT7/4387R) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## Description

Cytokeratin 7 in humans is a protein encoded by the KRT7 gene. It is always as a keratin pair with Cytokeratin 19. Cytokeratin 7 is expressed on most ductal and glandular epithelium including lung, breast, bladder and female genital tract, but not in most gastrointestinal epithelium, prostate, hepatocyte and squamous epithelium. In tumor tissues, its expression is absent in colon cancer, prostate cancer and squamous carcinomas. Cytokeratin 7 is often used in concert with Cytokeratin 20 and CDX-2 to aid in distinguishing ovarian, pulmonary and breast carcinomas (CK7+) from colon carcinomas (CK7-).

## Application Notes

Optimal dilution of the recombinant KRT7 antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 1-100 was used as the immunogen for the recombinant KRT7 antibody.

## Storage

Aliquot the recombinant KRT7 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.