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Recombinant anti-KRT16 antibody (C-Term)





Overview

| Quantity: | 100 μg |
|----------------------|--|
| Target: | KRT16 |
| Binding Specificity: | C-Term |
| Reactivity: | Human |
| Host: | Mouse |
| Antibody Type: | Recombinant Antibody |
| Clonality: | Monoclonal |
| Application: | Immunohistochemistry (IHC), Staining Methods (StM) |

Product Details

| Immunogen: | Recombinant fragment from the C-terminal of human Cytokeratin 16 |
|---------------|--|
| Clone: | KRT16-1714 |
| Isotype: | IgG1 kappa |
| Purification: | Purified by Protein A/G |

Target Details

| Target: | KRT16 |
|-------------------|--|
| Alternative Name: | KRT16 (KRT16 Products) |
| Background: | Cytokeratins are a family of intermediate filament proteins that assemble into filaments |
| | through forming heterodimers of one type I Cytokeratins (Cytokeratins 9 to 23) and one type II |

| Cytokeratins (keratins 1 to 8). The cytokeratin proteins play a critical role in differentiation, a | S |
|---|--------|
| well as tissue specialization and function, to maintain the overall structural integrity of epith | elial |
| cells. Cytokeratins are also useful markers in identifying the origin of metastatic tumors. | |
| Cytokeratin 16 is expressed in benign stratified squamous epithelium and squamous cell | |
| carcinoma of the head and neck, as well as luminal cells of mammary gland and sweat duc | ts. It |
| is absent in non-invasive breast carcinomas and normal breast tissue. | |

| Molecular Weight: | 48kDa |
|-------------------|--------|
| Gene ID: | 3868 |
| UniProt: | P08779 |

Application Details

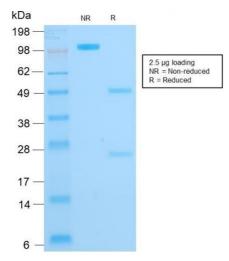
| Application Notes: | Positive Control: HeLa cells. Tonsil, Skin. Bladder or Cervix. |
|--------------------|---|
| | Known Application: Immunohistochemistry (Formalin-fixed) (0.1-0.2 µg/mL for 30 min at |
| | RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate |
| | buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a |
| | |

specific application should be determined.

Restrictions: For Research Use only

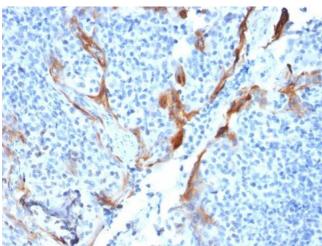
Handling

| Concentration: | 200 μg/mL |
|--------------------|---|
| Buffer: | 10 mM PBS with 0.05 % BSA & 0.05 % azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-80 °C |
| Storage Comment: | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required. |
| Expiry Date: | 24 months |



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Cytokeratin 16 MouseRecombinant Monoclonal Antibody (KRT16/1714).Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Tonsil stained with Cytokeratin 16 Mouse Recombinant Monoclonal Antibody (KRT16/1714).