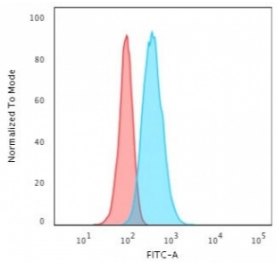
# Cytokeratin 13 Antibody / KRT13 [clone KRT13/2659] (V7916)

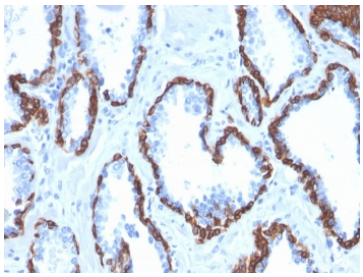
| Catalog No. | Formulation | Size |
|---|---|---|
| V7916-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7916-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V7916SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

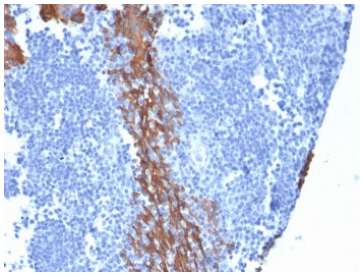
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | KRT13/2659 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P13646 |
| **Localization** | Cytoplasmic |
| **Applications** | Immunofluorescence : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml<br>Flow Cytometry : 1-2/million cells |
| **Limitations** | This Cytokeratin 13 antibody is available for research use only. |



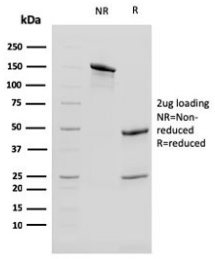

Flow cytometry testing of permeabilized human HeLa cells with Cytokeratin 13 antibody (clone KRT13/2659); Red=isotype control, Blue= Cytokeratin 13 antibody.



IHC staining of FFPE human prostate carcinoma with Cytokeratin 13 antibody (clone KRT13/2659). 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 tonsil with Cytokeratin 13 antibody (clone KRT13/2659). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




SDS-PAGE analysis of purified, BSA-free Cytokeratin 13 antibody (clone KRT13/2659) as confirmation of integrity and purity.

## Description

Cytokeratin 13 (KRT13) is the major acidic keratin, which together with KRT4, its basic partner, is expressed in the suprabasal layers of non-cornified stratified epithelia including tongue mucosa, esophagus, anal canal epithelium, tracheal epithelium, uterine cervix, and urothelium. Defects in the KRT13 gene are a cause of white sponge nevus of cannon (WSN), a rare autosomal dominant disorder, which predominantly affects non-cornified stratified squamous epithelia and is characterized by the presence of soft, white and spongy plaques in the oral mucosa. KRT13 has been used as a marker for non-keratinized squamous epithelium. It is also expressed in various squamous metaplasia, but it is down regulated in squamous dysplasia and squamous carcinoma.

## Application Notes

Optimal dilution of the Cytokeratin 13 antibody should be determined by the researcher.

## Immunogen

A recombinant full-length human KRT13 protein was used as the immunogen for this Cytokeratin 13 antibody.

## Storage

Store the Cytokeratin 13 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).