# Cytokeratin 13 Antibody KRT13/2850 / KRT13 Mouse Monoclonal [clone KRT13/2850] (V8737)

| Catalog No. | Formulation | Size |
|---|---|---|
| V8737-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V8737-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V8737SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | KRT13/2850 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P13646 |
| **Localization** | Cytoplasmic |
| **Applications** | Western blot: 1-2ug/ml<br>Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT<br>Immunofluorescence: 2-4ug/ml |
| **Limitations** | This Cytokeratin 13 Antibody KRT13/2850 is available for research use only. |



## Description

Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs)that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found to be useful markers of tissue differentiation, which is directly applicable to the characterization of malignant tumors. Cytokeratins 10 and 13 are present in the cytoskeletal region of a subset of squamous cell carcinomas. Cytokeratin 13 belongs to the intermediate filament family and is a heterotetramer of two type I acidic and two type II basic keratins. It is generally associated with Cytokeratin 4. Defects in the KRT13 gene are a cause of white sponge nevus of cannon (WSN), a rare autosomal dominant disorder which predominantly affects noncornified stratified squamous epithelia and is characterized by the presence of soft, white and spongy plaques in the oral mucosa.

Explore our Cytokeratin 13 Antibody KRT13/2659 for investigating keratin 13 expression, nonkeratinized squamous epithelial differentiation, and changes in cytokeratin distribution associated with epithelial disease.

## Application Notes

Optimal dilution of the Cytokeratin 13 Antibody KRT13/2850 should be determined by the researcher.

## Immunogen

Esophageal keratins of rabbit origin were used as the immunogen for the Cytokeratin 13 Antibody KRT13/2850.

## Storage

Store the Cytokeratin 13 Antibody KRT13/2850 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).


Copyright © NSJ Bioreagents. All rights reserved.