

Cytokeratin 10/13 Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone SPM262]
Catalog # AH12911**Specification**

Cytokeratin 10/13 Antibody - With BSA and Azide - Product Information

Application	WB, IHC-P, IF, FC
Primary Accession	P13645
Other Accession	3858 , 99936
Reactivity	Human, Cat
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2a, kappa
Calculated MW	56.5kDa (CK10) & 53kDa (CK13) KDa

Cytokeratin 10/13 Antibody - With BSA and Azide - Additional Information**Gene ID** 3858**Other Names**

Keratin, type I cytoskeletal 10, Cytokeratin-10, CK-10, Keratin-10, K10, KRT10, KPP

Application Note

WB~~1:1000<br \><span class
="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>FC~~1:10~50

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

Cytokeratin 10/13 Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Cytokeratin 10/13 Antibody - With BSA and Azide - Protein Information**Name** KRT10**Synonyms** KPP**Function**

Plays a role in the establishment of the epidermal barrier on plantar skin (By similarity). Involved in the maintenance of cell layer development and keratin filament bundles in suprabasal cells of the epithelium (By similarity).

Cellular Location

Secreted, extracellular space. Cell surface. Cytoplasm

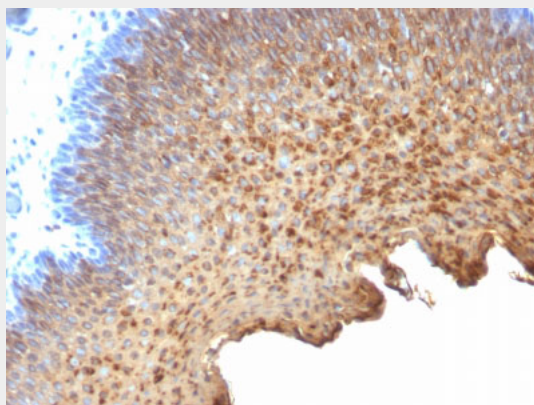
Tissue Location

Seen in all suprabasal cell layers including stratum corneum. Expressed on the surface of lung cell lines (PubMed:19627498). Localized on the surface of desquamated nasal epithelial cells (at protein level) (PubMed:12427098)

Cytokeratin 10/13 Antibody - With BSA and Azide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Cytokeratin 10/13 Antibody - With BSA and Azide - Images

Formalin-fixed, paraffin-embedded human Tonsil stained with Cytokeratin 10/13 Monoclonal Antibody (SPM262)

Cytokeratin 10/13 Antibody - With BSA and Azide - Background

This antibody recognizes cytokeratin 10 (56.5kDa) and cytokeratin 13 (53kDa) in Western blotting. It recognizes only cytokeratin 13 in formalin-fixed, paraffin-embedded tissue sections. It does not react with cytokeratin 10 positive, cytokeratin 13 negative epithelia such as epidermis. However, on frozen sections this MAb serves as differentiation-related marker of all stratified epithelia; it stains all suprabasal cells in both cornifying and non-cornifying stratified epithelia and more differentiated cells of squamous carcinomas.

Cytokeratin 10/13 Antibody - With BSA and Azide - References

Ivanyi D et. al. Journal of Pathology, 1989, 159:7-12., Ivanyi, D., Minke, J. M., Hageman, C., Groeneveld, E., and van Doornewaard, G. (1992). Patterns of expression of feline cytokeratins in healthy epithelia and mammary carcinoma cells, Am J Vet Res 53, 304-14. , Ivanyi, D., Minke, J. M., Hageman, C., Groeneveld, E., van Doornewaard, G., and Misdorp, W. (1993). Cytokeratins as markers of initial stages of squamous metaplasia in feline mammary carcinomas, Am J Vet Res 54, 1095