

Cytokeratin 10/13 Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM262] Catalog # AH12911

Product Information

Application WB, IF, FC, IHC-P

Primary Accession
Other Accession
Reactivity
Host
Clonality
P13645

3858, 99936
Human, Cat
Mouse
Monoclonal

Isotype Mouse / IgG2a, kappa

Clone Names SPM262 Calculated MW 58827

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 IF~~1:50~200 FC~~1:10~50 IHC-P~~N/A

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.

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)

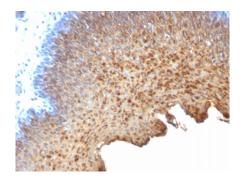
Background

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.

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

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.