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Cytokeratin 10/13 Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone DE-K13]
Catalog # AH12907

Product Information

Application	WB, IF, FC, IHC-P
Primary Accession	P13645
Other Accession	3858, 99936
Reactivity	Human, Cat
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2a, kappa
Clone Names	DE-K13
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 (HGNC:6413)
Synonyms	KPP
Function	Structural component of intermediate filaments in suprabasal keratinocytes of stratified epithelia. Forms heteropolymers primarily with the type II keratin KRT1, and also with KRT2, assembling into intermediate filament networks that support terminal differentiation, mechanical resilience, and epidermal barrier formation.
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)

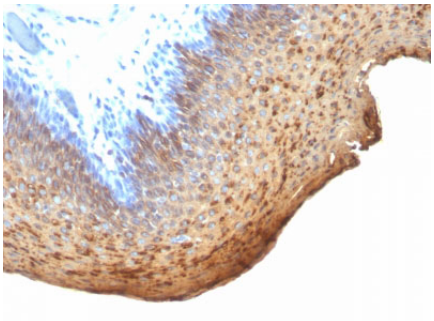
Background

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 (DE-K13)

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