

Anti-Cytokeratin 10 Antibody

Mouse Monoclonal Antibody Catalog # AH13353

Product Information

ApplicationIHC-P, IF, FCPrimary AccessionP13645Other Accession99936ReactivityHumanHostMouseClonalityMonoclonal

Isotype Mouse / IgG1 s, kappa **Clone Names** KRT10/844 + KRT10/1275

Calculated MW 58827

Additional Information

Gene ID 3858

Other Names BCIE, BIE, EHK, Keratin Type I Cytoskeletal 10, KRT10

Application Note Flow Cytometry (0.5-1ug/million cells in 0.1ml); Immunofluorescence

(0.5-1ug/ml); ,Immunohistology (Formalin-fixed) (0.1-0.2ug/ml for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM

citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Format 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G.

Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available

WITHOUT BSA & azide at 1.0mg/ml.

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

Precautions Anti-Cytokeratin 10 Antibody 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

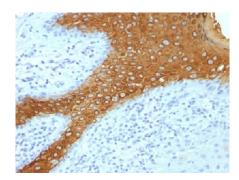
Tissue LocationSeen in all suprabasal cell layers including stratum corneum. Expressed on the surface of lung cell lines (PubMed:19627498). Localized on the surface of

desquamated nasal epithelial cells (at protein level) (PubMed:12427098)

Background

This MAb recognizes a protein of 56.5kDa, identified as cytokeratin 10 (CK10). CK10 is expressed in all suprabasal layers of the epidermis. In the epidermis, expression of CK10 strictly parallels the extent of differentiation; it is absent in the basal layer, appears in the first suprabasal layers and increases in concentration towards the granular layer. However, CK10 is rarely detected in early stages of vulvar squamous carcinomas (tumors less than 2 cm, clinical stage I) regardless of the tumor grade. In larger and more advanced tumors (greater than 2 cm, clinical stages II and III), CK10 is detected very frequently. Expression of CK10 is related to maturation of malignant keratinocytes, being preferentially detected in more-differentiated parts.

Images



Formalin-fixed, paraffin-embedded human Skin stained with Cytokeratin 10 Monoclonal Antibody (KRT10/+ KRT10/1275).

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