10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Cytokeratin 10 Antibody
Mouse Monoclonal Antibody
Catalog # AH13349

Specification

Anti-Cytokeratin 10 Antibody - Product Information

Application	**IHC-P, IF, FC**
Primary Accession	P13645
Other Accession	99936
Reactivity	**Human, Dog**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG1, kappa**
Calculated MW	**58827**

Anti-Cytokeratin 10 Antibody - Additional Information

Gene ID 3858

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

Application Note
IHC-P~~N/A<br \>IF~~1:50~200<br \>FC~~1:10~50

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.

Anti-Cytokeratin 10 Antibody - 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

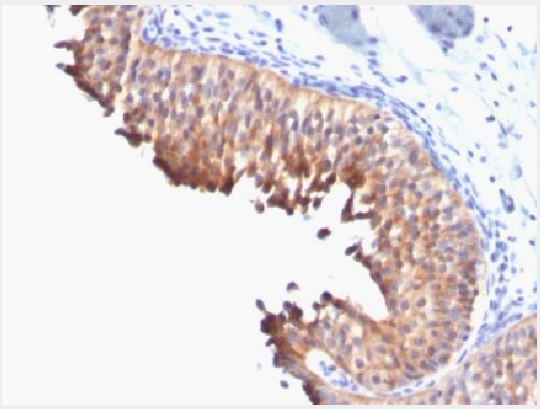
Tissue Location
Seen in all suprabasal cell layers including stratum corneum. Expressed on the surface of lung cell lines (PubMed:19627498). Localized on the surface of desquamated nasal epithelial cells (at protein level) (PubMed:12427098)

Anti-Cytokeratin 10 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Cytokeratin 10 Antibody - Images



Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Cytokeratin 10 Monoclonal Antibody (DE-K10).

Anti-Cytokeratin 10 Antibody - 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.