

**Anti-Cytokeratin 10 Antibody**  
**Mouse Monoclonal Antibody**  
**Catalog # AH13353****Specification**

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**Anti-Cytokeratin 10 Antibody - Product Information**

Application	IHC-P, IF, FC
Primary Accession	<a href="#">P13645</a>
Other Accession	<a href="#">99936</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1 s, 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  
IF~1:50~200  
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

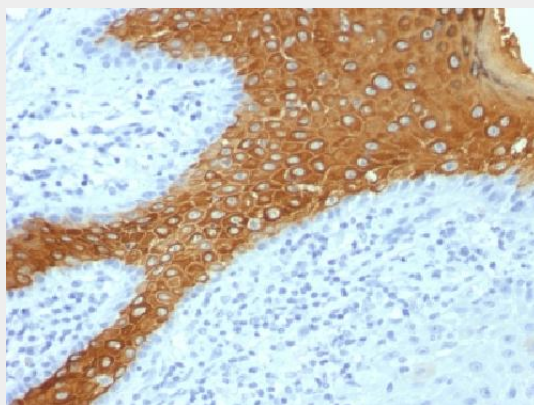
**Tissue Location**

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 Cytometry](#)
- [Cell Culture](#)

**Anti-Cytokeratin 10 Antibody - Images**

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

**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.