# Mouse anti-Human, Mouse Cytokeratin 10 (KRT10) Monoclonal Antibody | anti-KRT10 antibody

Cytokeratin 10 (KRT10) (Suprabasal Epithelial Marker) Mouse Monoclonal Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA62879** | **Mouse** | **Human, Mouse** | **Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay** |

## PRODUCT SYNONYMS

Cytokeratin 10 (KRT10); Monoclonal Antibody; Cytokeratin 10 (KRT10) (Suprabasal Epithelial Marker) Mouse Monoclonal Antibody; BCIE; BIE; EHK; Keratin Type I Cytoskeletal 10; KRT10; anti-KRT10 antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Mouse |
| **Reactivity** | Human, Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1, kappa |
| **Clone Number** | KRT10/844 |
| **Specificity** | 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. |
| **Form/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. |
| **Sequence Length** | 584 |
| **Applicable Applications for anti-KRT10 antibody** | IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry) |
| **Cellular Localization** | Cytoplasmic |
| **Immunogen** | Recombinant human KRT10 protein |
| **Hu-Chromosome Location** | 17q21.2 |
| **Positive Control** | A431, HeLa, MCF7 cells. Esophagus or tonsil. |
| **Preparation and Storage** | Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required. |

## IMAGES



**IHC (Immunohiostchemistry)**
Formalin-fixed, paraffin-embedded human Skin stained with Cytokeratin 10 Monoclonal Antibody (KRT10/844).



**IHC (Immunohistochemistry)**
Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Cytokeratin 10 Monoclonal Antibody (KRT10/844).

## ADDITIONAL INFORMATION

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|---|---|
| **References** | van der Velden, L.A., et al. 1993. Cytokeratin expression in normal and (pre) malignant head and neck epithelia: an overview. Head Neck 15: 133-146 |

## NCBI AND UNIPROT INFORMATION

| | |
|---|---|
| **NCBI GI #** | 195972866 |
| **NCBI GeneID** | 3858 |
| **NCBI Accession #** | NP_000412.3 |
| **NCBI GenBank Nucleotide #** | NM_000421.3 |
| **UniProt Accession #** | P13645; Q14664; Q8N175 |
| **Molecular Weight** | 56.5kDa |
| **NCBI Official Full Name** | keratin, type I cytoskeletal 10 |
| **NCBI Official Synonym Full Names** | keratin 10 |
| **NCBI Official Symbol** | KRT10 |
| **NCBI Official Synonym Symbols** | BIE; EHK; K10; KPP; BCIE; CK10 |
| **NCBI Protein Information** | keratin, type I cytoskeletal 10 |
| **UniProt Protein Name** | Keratin, type I cytoskeletal 10 |
| **UniProt Gene Name** | **KRT10** |
| **UniProt Synonym Gene Names** | KPP; CK-10; K10 |
| **UniProt Entry Name** | K1C10_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/cytokeratin-10-krt10-antibody-clone-krt10-844-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62879