

Anti-Cytokeratin 10 Antibody

Catalog # AP95913

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	P13645
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	58827

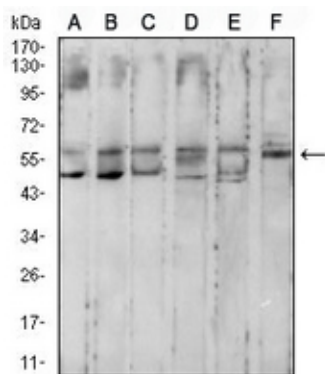
Additional Information

Gene ID	3858
Other Names	KPP; Keratin, type I cytoskeletal 10; Cytokeratin-10; CK-10; Keratin-10; K10
Target/Specificity	Recombinant fusion protein of human Cytokeratin 10 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

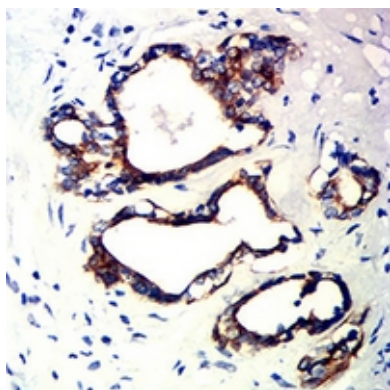
Protein Information

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)

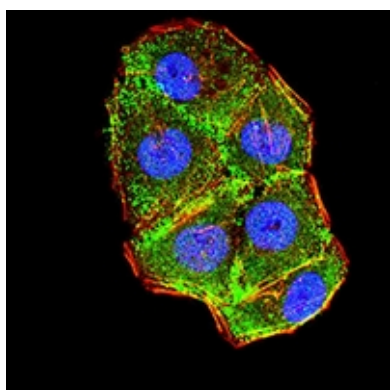
Images



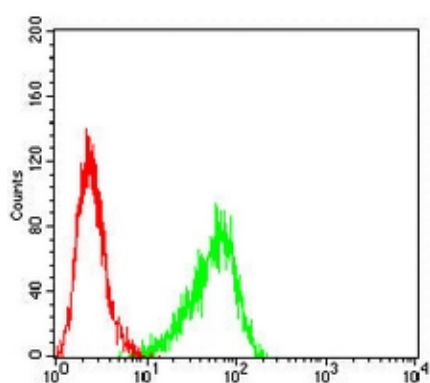
Western blot analysis of Cytokeratin 10 expression in MCF7 (A), Hela (B), HepG2 (C), T47D (D), HT29 (E), A549 (F) whole cell lysates. (Predicted band size: 59 kD; Observed band size: 59 kD)



Immunohistochemical analysis of Cytokeratin 10 staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Cytokeratin 10 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of A431 cells using Anti-Cytokeratin 10 Antibody (green) and negative control (red).

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