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

Cytokeratin 10 Antibody

Rabbit mAb
Catalog # AP90586

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	P13645
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	CK-10; CK10; cytokeratin 10; Cytokeratin-10; K10; K1C10; keratin 10; Keratin, type I cytoskeletal 10; Keratin-10; KPP; KRT10;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	58827

Additional Information

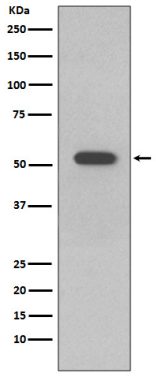
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Cytokeratin 10
Description	K10 a type I cytoskeletal keratin. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. There are two types of cytoskeletal and microfibrillar keratin: type I (acidic; 40-55 kDa) [K9 to K20] and type II (neutral to basic; 56-70 kDa) [K1 to K8]. Both a basic and an acidic keratin are required for filament assembly.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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 A431 cell lysate.

Image not found : 202311/AP90586-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human bladder, using Cytokeratin 10 Antibody.

Image not found : 202311/AP90586-IF.jpg

Immunofluorescent analysis of HACAT cells, using Cytokeratin 10 Antibody.

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