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

KRT10 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6704c

Specification

KRT10 Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P13645
Other Accession	Q6IFW6
Reactivity	**Human**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**58827**
Antigen Region	**318-346**

KRT10 Antibody (Center) - Additional Information

Gene ID 3858

Other Names
Keratin, type I cytoskeletal 10, Cytokeratin-10, CK-10, Keratin-10, K10, KRT10, KPP

Target/Specificity
This KRT10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 318-346 amino acids from the Central region of human KRT10.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KRT10 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

KRT10 Antibody (Center) - 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

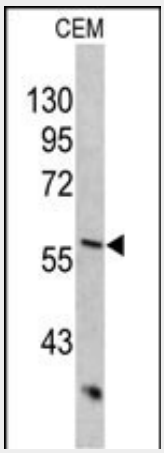
Tissue Location
Seen in all suprabasal cell layers including stratum corneum. Expressed on the surface of lung cell lines (PubMed:19627498). Localized on the surface of desquamated nasal epithelial cells (at protein level) (PubMed:12427098)

KRT10 Antibody (Center) - Protocols

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

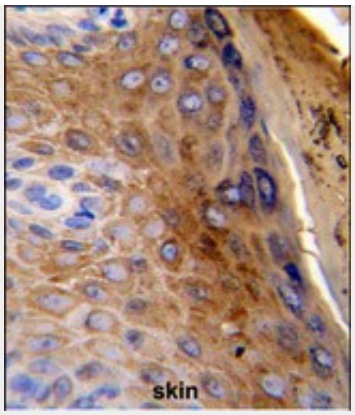
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KRT10 Antibody (Center) - Images

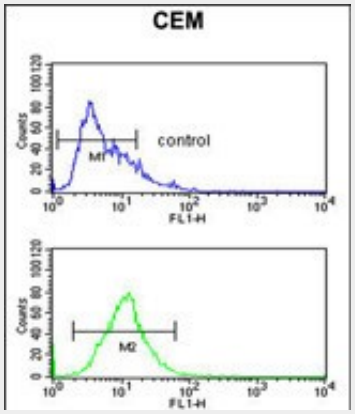


Western blot analysis of KRT10 antibody (Center) (Cat. #AP6704c) in CEM cell line lysates (35ug/lane). KRT10 (arrow) was detected using the purified Pab.

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Formalin-fixed and paraffin-embedded human skin reacted with KRT10 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



KRT10 Antibody (Center) (Cat. #AP6704c) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

KRT10 Antibody (Center) - Background

KRT10 is a member of the type I (acidic) cytokeratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. Mutations in its gene are associated with epidermolytic hyperkeratosis.

KRT10 Antibody (Center) - References

Morais,P., Eur J Dermatol 19 (4), 333-336 (2009)
Barcelos,A.C., J. Cutan. Pathol. 36 (6), 647-654 (2009)

KRT10 Antibody (Center) - Citations

- Differential miRNA expression profiles in human keratinocytes in response to protein kinase C inhibitor.