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

KRT10 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6704a

Specification

KRT10 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P13645

KRT10 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 3858

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6704a was selected from the N-term region of human KRT10. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

KRT10 Antibody (N-term) Blocking Peptide - 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 (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

KRT10 Antibody (N-term) Blocking Peptide - Images

KRT10 Antibody (N-term) Blocking Peptide - 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 (N-term) Blocking Peptide - References

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