

**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](/products/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**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)

**Synonyms KPP****Function**

Plays a role in the establishment of the epidermal barrier on plantar skin.

**Cellular Location**

Secreted, extracellular space. Cell surface.

Note=Localized on the surface of desquamated nasal epithelial cells (PubMed:12427098). Localized on the surface of lung cell lines (PubMed:19627498)

**Tissue Location**

Seen in all suprabasal cell layers including stratum corneum. Expressed on the surface of lung cell lines (PubMed:19627498).

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

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

- [Blocking Peptides](#)