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# KRT14 Antibody (N-term) Blocking Peptide

**Synthetic peptide**
**Catalog # BP6713a**

## Specification

### KRT14 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P02533

### KRT14 Antibody (N-term) Blocking Peptide - Additional Information

**Gene ID** 3861

**Other Names**
Keratin, type I cytoskeletal 14, Cytokeratin-14, CK-14, Keratin-14, K14, KRT14

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody <a href=/products/AP6713a>AP6713a</a> was selected from the N-term region of human KRT14. 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.

### KRT14 Antibody (N-term) Blocking Peptide - Protein Information

**Name** KRT14

**Function**
The nonhelical tail domain is involved in promoting KRT5- KRT14 filaments to self-organize into large bundles and enhances the mechanical properties involved in resilience of keratin intermediate filaments in vitro.

**Cellular Location**
Cytoplasm. Nucleus. Note=Expressed in both as a filamentous pattern.

**Tissue Location**
Expressed in the corneal epithelium (at protein level) (PubMed:26758872). Detected in the basal layer, lowered within the more apically located layers specifically in the stratum spinosum, stratum granulosum but is not detected in stratum corneum. Strongly expressed in the outer root sheath of anagen follicles but not in the germinative matrix, inner root sheath or hair (PubMed:9457912).

Found in keratinocytes surrounding the club hair during telogen (PubMed:9457912).

## KRT14 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

## KRT14 Antibody (N-term) Blocking Peptide - Images

## KRT14 Antibody (N-term) Blocking Peptide - Background

KRT14 is a member of the keratin family, the most diverse group of intermediate filaments. This protein, a type I keratin, is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Together they form the cytoskeleton of epithelial cells.

## KRT14 Antibody (N-term) Blocking Peptide - References

Barcelos,A.C., J. Cutan. Pathol. 36 (6), 647-654 (2009)Romano,R.A., PLoS ONE 4 (5), E5623 (2009)