

**KRT25 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11252b****Specification**

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**KRT25 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q7Z3Z0](#)**KRT25 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 147183**Other Names**

Keratin, type I cytoskeletal 25, Cytokeratin-25, CK-25, Keratin-25, K25, Keratin-25A, K25A, Type I inner root sheath-specific keratin-K25irs1, KRT25 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=30839" target="\_blank">HGNC:30839</a>)

**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.

**KRT25 Antibody (C-term) Blocking peptide - Protein Information****Name** KRT25 ([HGNC:30839](#))**Function**

Essential for the proper assembly of type I and type II keratin protein complexes and formation of keratin intermediate filaments in the inner root sheath (irs) (By similarity). Plays a role in the cytoskeleton organization (PubMed: <a href="http://www.uniprot.org/citations/26902920" target="\_blank">26902920</a>).

**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:Q8VCW2}.

**Tissue Location**

Strongly expressed in skin and scalp, and weak expression observed in thymus and tongue. In the hair follicle, expressed in Henle layer, Huxley layer and in the inner root sheath cuticle of the hair follicle. Expression extends from the bulb region up to the point of differentiation into the three layers. Also present in the medulla of beard hair (at protein level)

## **KRT25 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

## **KRT25 Antibody (C-term) Blocking peptide - Images**

## **KRT25 Antibody (C-term) Blocking peptide - Background**

This gene encodes a member of the type I (acidic) keratin 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. The type I keratin genes are clustered in a region of chromosome 17q12-q21.

## **KRT25 Antibody (C-term) Blocking peptide - References**

Rose, J. Phd, et al. Mol. Med. (2010) In press :Schweizer, J., et al. J. Cell Biol. 174(2):169-174(2006)Rogers, M.A., et al. Differentiation 72 (9-10), 527-540 (2004) :Hesse, M., et al. Eur. J. Cell Biol. 83(1):19-26(2004)