

KRT16 Antibody (Center) Blocking peptide Synthetic peptide Catalog # BP13423c

Specification

KRT16 Antibody (Center) Blocking peptide - Product Information

Primary Accession

<u>P08779</u>

KRT16 Antibody (Center) Blocking peptide - Additional Information

Gene ID 3868

Other Names Keratin, type I cytoskeletal 16, Cytokeratin-16, CK-16, Keratin-16, K16, KRT16, KRT16A

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13423c was selected from the Center region of KRT16. 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.

KRT16 Antibody (Center) Blocking peptide - Protein Information

Name KRT16

Synonyms KRT16A

Function

Epidermis-specific type I keratin that plays a key role in skin. Acts as a regulator of innate immunity in response to skin barrier breach: required for some inflammatory checkpoint for the skin barrier maintenance.

Tissue Location Expressed in the corneal epithelium (at protein level).

KRT16 Antibody (Center) Blocking peptide - Protocols



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

<u>Blocking Peptides</u>

KRT16 Antibody (Center) Blocking peptide - Images

KRT16 Antibody (Center) Blocking peptide - Background

The protein encoded by this gene is a member of thekeratin gene family. The keratins are intermediate filamentproteins responsible for the structural integrity of epithelialcells and are subdivided into cytokeratins and hair keratins. Mostof the type I cytokeratins consist of acidic proteins which arearranged in pairs of heterotypic keratin chains and are clusteredin a region of chromosome 17q12-q21. This keratin has beencoexpressed with keratin 14 in a number of epithelial tissues, including esophagus, tongue, and hair follicles. Mutations in thisgene are associated with type 1 pachyonychia congenita, non-epidermolytic palmoplantar keratoderma and unilateralpalmoplantar verrucous nevus.

KRT16 Antibody (Center) Blocking peptide - References

Leung, M.C., et al. J. Proteome Res. 9(10):5153-5163(2010)Trost, A., et al. Mech. Ageing Dev. 131(5):346-353(2010)Gruber, R., et al. Br. J. Dermatol. 161(6):1391-1395(2009)Barcelos, A.C., et al. J. Cutan. Pathol. 36(6):647-654(2009)Wu, C., et al. Exp. Dermatol. 17(8):645-652(2008)