

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

---

**KRT16 Antibody (Center) Blocking peptide - Product Information**Primary Accession [P08779](#)**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.

- [Blocking Peptides](#)

#### **KRT16 Antibody (Center) Blocking peptide - Images**

#### **KRT16 Antibody (Center) Blocking peptide - Background**

The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains and are clustered in a region of chromosome 17q12-q21. This keratin has been coexpressed with keratin 14 in a number of epithelial tissues, including esophagus, tongue, and hair follicles. Mutations in this gene are associated with type 1 pachyonychia congenita, non-epidermolytic palmoplantar keratoderma and unilateral palmoplantar 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)