

**KRT2A Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9594a****Specification**

---

**KRT2A Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P35908](#)**KRT2A Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 3849**Other Names**

Keratin, type II cytoskeletal 2 epidermal, Cytokeratin-2e, CK-2e, Epithelial keratin-2e, Keratin-2 epidermis, Keratin-2e, K2e, Type-II keratin Kb2, KRT2, KRT2A, KRT2E

**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.

**KRT2A Antibody (N-term) Blocking Peptide - Protein Information****Name** KRT2**Synonyms** KRT2A, KRT2E**Function**

Probably contributes to terminal cornification (PubMed:&lt;a href="http://www.uniprot.org/citations/1380918" target="\_blank"&gt;1380918&lt;/a&gt;). Associated with keratinocyte activation, proliferation and keratinization (PubMed:&lt;a href="http://www.uniprot.org/citations/12598329" target="\_blank"&gt;12598329&lt;/a&gt;). Required for maintenance of corneocytes and keratin filaments in suprabasal keratinocytes in the epidermis of the ear, potentially via moderation of expression and localization of keratins and their partner proteins (By similarity). Plays a role in the establishment of the epidermal barrier on plantar skin (By similarity).

**Cellular Location**

Cytoplasm.

**Tissue Location**

Expressed in the upper spinous and granular suprabasal layers of normal adult epidermal tissues from most body sites including thigh, breast nipple, foot sole, penile shaft and axilla. Not present

in foreskin, squamous metaplasias and carcinomas Expression in hypertrophic and keloid scars begins in the deepest suprabasal layer. Weakly expressed in normal gingiva and tongue, however expression is induced in benign keratoses of lingual mucosa and in mild-to-moderate oral dysplasia with orthokeratinization

### **KRT2A Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **KRT2A Antibody (N-term) Blocking Peptide - Images**

### **KRT2A Antibody (N-term) Blocking Peptide - Background**

KRT2A is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is expressed largely in the upper spinous layer of epidermal keratinocytes and mutations in this gene have been associated with bullous congenital ichthyosiform erythroderma. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.

### **KRT2A Antibody (N-term) Blocking Peptide - References**

Nishizawa, A., et al. Br. J. Dermatol. 156(5):1042-1044(2007)Frum, R., et al. J. Proteome Res. 6(4):1410-1417(2007)Schweizer, J., et al. J. Cell Biol. 174(2):169-174(2006)Akiyama, M., et al. Br. J. Dermatol. 152(6):1353-1356(2005)