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KRT72 Blocking Peptide(Center)

Synthetic peptide
Catalog # BP19811c

Specification

KRT72 Blocking Peptide(Center) - Product Information

Primary Accession	Q14CN4
Other Accession	Q148H8, NP_542785.1

KRT72 Blocking Peptide(Center) - Additional Information

Gene ID 140807

Other Names
Keratin, type II cytoskeletal 72, Cytokeratin-72, CK-72, Keratin-72, K72, Type II inner root sheath-specific keratin-K6irs2, Type-II keratin Kb35, KRT72, K6IRS2, KB35, KRT6, KRT6IRS2

Target/Specificity
The synthetic peptide sequence is selected from aa 328-342 of HUMAN KRT72

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.

KRT72 Blocking Peptide(Center) - Protein Information

Name KRT72

Synonyms K6IRS2, KB35, KRT6, KRT6IRS2

Function
Has a role in hair formation. Specific component of keratin intermediate filaments in the inner root sheath (IRS) of the hair follicle (Probable).

Tissue Location
Highly expressed in hair follicles from scalp and eyebrow. Also expressed in palmoplantar epidermis. Not expressed in face skin despite the presence of fine hairs histologically. In hair, it is specifically present in the inner root sheath (IRS) of the hair follicle. Present in the IRS cuticle, but not in Henle or Huxley layers of the IRS. In the IRS cuticle, its presence is delayed up to the height of the apex of the dermal papilla (at protein level)

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KRT72 Blocking Peptide(Center) - Protocols

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

- Blocking Peptides

KRT72 Blocking Peptide(Center) - Images

KRT72 Blocking Peptide(Center) - Background

Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells. The type II keratins 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 gene encodes a type II keratin that is specifically expressed in the inner root sheath of hair follicles. The type II keratins are clustered in a region of chromosome 12q12-q13. Multiple transcript variants encoding different isoforms have been found for this gene.

KRT72 Blocking Peptide(Center) - References

Bertheau, P., et al. PLoS Med. 4 (3), E90 (2007) :
Schweizer, J., et al. J. Cell Biol. 174(2):169-174(2006)
Langbein, L., et al. J. Invest. Dermatol. 120(4):512-522(2003)
Porter, R.M., et al. Br. J. Dermatol. 145(4):558-568(2001)