

KRTAP1-1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP5050c**Specification**

KRTAP1-1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q07627](#)

KRTAP1-1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 81851

Other Names

Keratin-associated protein 1-1, High sulfur keratin-associated protein 11, Keratin-associated protein 11, Keratin-associated protein 16, Keratin-associated protein 17, KRTAP1-1, B2A, KAP11, KAP16, KAP17, KRTAP11

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.

KRTAP1-1 Antibody (Center) Blocking Peptide - Protein Information

Name KRTAP1-1

Synonyms B2A, KAP1.1, KAP1.6, KAP1.7, KRTAP1.1

Function

In the hair cortex, hair keratin intermediate filaments are embedded in an interfilamentous matrix, consisting of hair keratin-associated proteins (KRTAP), which are essential for the formation of a rigid and resistant hair shaft through their extensive disulfide bond cross-linking with abundant cysteine residues of hair keratins. The matrix proteins include the high-sulfur and high-glycine-tyrosine keratins.

Tissue Location

Expressed in the middle/upper portions of the hair cortex, in the region termed the keratogenous zone

KRTAP1-1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

KRTAP1-1 Antibody (Center) Blocking Peptide - Images

KRTAP1-1 Antibody (Center) Blocking Peptide - Background

KRTAP1-1 is a member of the keratin-associated protein (KAP) family. The KAP proteins form a matrix of keratin intermediate filaments which contribute to the structure of hair fibers. KAP family members appear to have unique, family-specific amino- and carboxyl-terminal regions and are subdivided into three multi-gene families according to amino acid composition: the high sulfur, the ultrahigh sulfur, and the high tyrosine/glycine KAPs. This protein is a member of the high sulfur KAP family and the gene is localized to a cluster of KAPs at 17q12-q21.

KRTAP1-1 Antibody (Center) Blocking Peptide - References

Shimomura, Y., et al. J. Invest. Dermatol. 118(2):226-231(2002)Rogers, M.A., et al. J. Biol. Chem. 276(22):19440-19451(2001)