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KRTAP1-3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12654c

Specification

KRTAP1-3 Antibody (Center) - Product Information

Application	**FC, WB,E**
Primary Accession	Q8IUG1
Other Accession	Q9BYS1, Q07627, NP_112228.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**17141**
Antigen Region	**1-3**

KRTAP1-3 Antibody (Center) - Additional Information

Gene ID 81850

Other Names
Keratin-associated protein 1-3, Keratin-associated protein 18, Keratin-associated protein 19, KRTAP1-3

Target/Specificity
This KRTAP1-3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 88-117 amino acids from the Central region of human KRTAP1-3.

Dilution
FC~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KRTAP1-3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

KRTAP1-3 Antibody (Center) - Protein Information

Name KRTAP1-3

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.

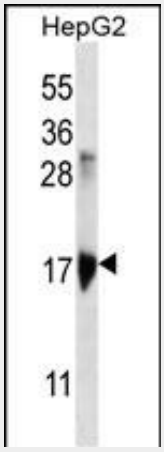
Tissue Location
Expressed in the middle/upper portions of the hair cortex, in the region termed the keratogenous zone

KRTAP1-3 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KRTAP1-3 Antibody (Center) - Images



KRTAP1-3 Antibody (Center) (Cat. #AP12654c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the KRTAP1-3 antibody detected the KRTAP1-3 protein (arrow).

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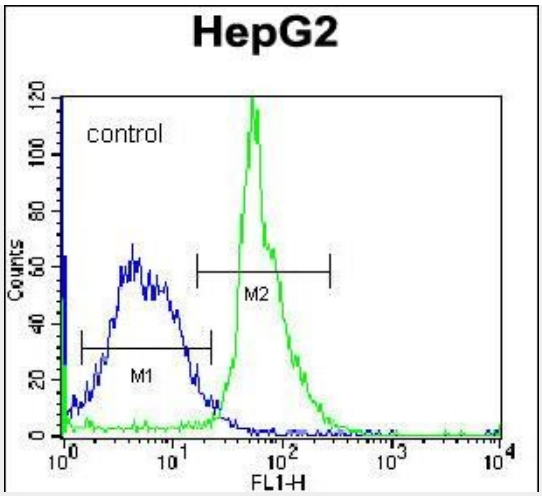

KRTAP1-3 Antibody (Center) (Cat. #AP12654c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

KRTAP1-3 Antibody (Center) - Background

This protein 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. [provided by RefSeq].

KRTAP1-3 Antibody (Center) - References

Shimomura, Y., et al. J. Biol. Chem. 277(47):45493-45501(2002)
Rogers, M.A., et al. J. Biol. Chem. 276(22):19440-19451(2001)
Zhumabaeva, B.D., et al. Mol. Biol. (Mosk.) 26(4):813-820(1992)