

KRTAP1-3 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12654c**Specification**

KRTAP1-3 Antibody (Center) - Product Information

Application	WB, FC,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.

DilutionWB~~1:1000
FC~~1:10~50**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

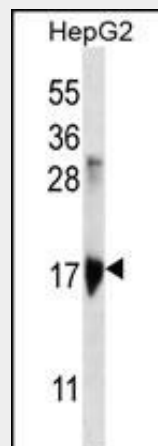
Expressed in the middle/upper portions of the hair cortex, in the region termed the keratogenous zone

KRTAP1-3 Antibody (Center) - Protocols

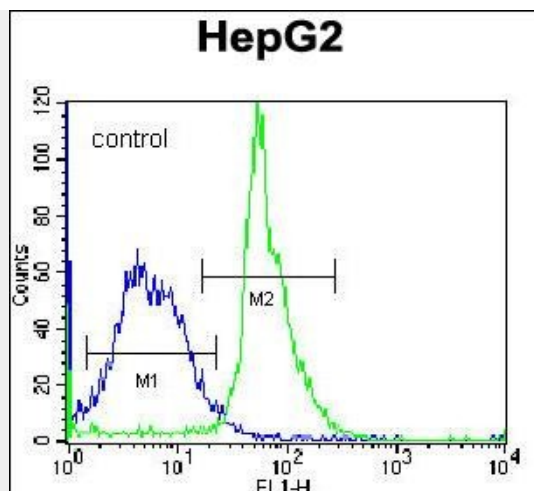
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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).



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)