10320 Camino Santa Fe, Suite G
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KRTAP1-1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5050C

Specification

KRTAP1-1 Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q07627
Other Accession	Q9BYS1, Q8IUG1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**18235**
Antigen Region	**1-1**

KRTAP1-1 Antibody (Center) - 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

Target/Specificity
This KRTAP1-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 88-117 amino acids from the Central region of human KRTAP1-1.

Dilution
WB~~1:1000
IHC-P~~1:50~100
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
KRTAP1-1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

KRTAP1-1 Antibody (Center) - Protein Information

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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.

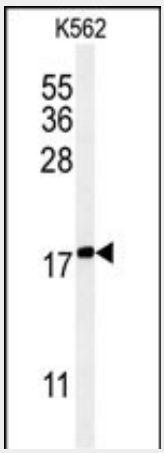
Tissue Location
Expressed in the middle/upper portions of the hair cortex, in the region termed the keratogenous zone

KRTAP1-1 Antibody (Center) - Protocols

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

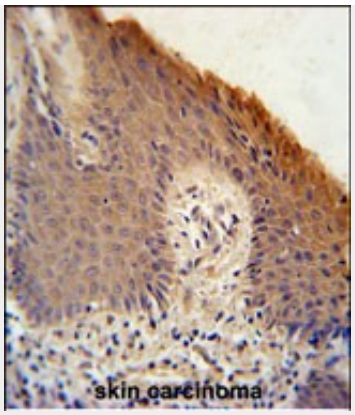
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KRTAP1-1 Antibody (Center) - Images

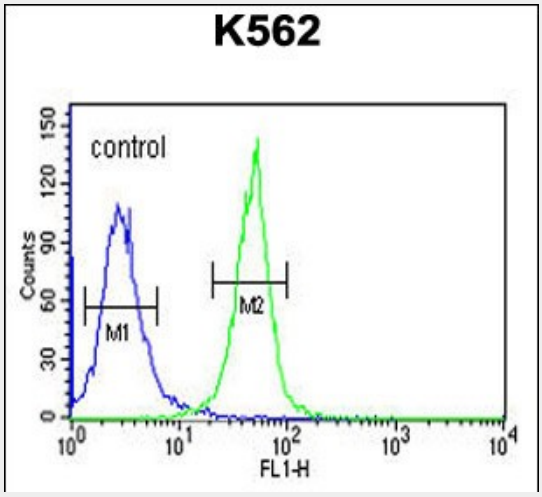


Western blot analysis of KRTAP1-1 Antibody (Center) (Cat. #AP5050c) in K562 cell line lysates (35ug/lane).KRTAP1-1 (arrow) was detected using the purified Pab.

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KRTAP1-1 Antibody (Center) (Cat. #AP5050c) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KRTAP1-1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



KRTAP1-1 Antibody (Center) (Cat. #AP5050c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

KRTAP1-1 Antibody (Center) - 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) - 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)