KRTAP1-1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KRTAP1-1, Polyclonal Antibody
Full Product Name	KRTAP1-1, ID (KRTAP1-1, B2A, KAP1.1, KAP1.6, KAP1.7, KRTAP1.1, Keratin-associated protein 1-1, High sulfur keratin-associated protein 1.1, Keratin-associated protein 1.1, Keratin-associated protein 1.6, Keratin-associated protein 1.7) (MaxLight 650)
Product Gene Name	anti-KRTAP1-1 antibody
Product Synonym Names	KRTAP1-1; B2A; KAP1.1; KAP1.6; KAP1.7; KRTAP1.1; Keratin-associated protein 1-1; High sulfur keratin-associated protein 1.1; Keratin-associated protein 1.1; Keratin-associated protein 1.6; Keratin-associated protein 1.7
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	18,235 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (39196811..39197713, complement). Location: 17q12
OMIM	608819
3D Structure	ModBase 3D Structure for Q07627
Immunogen	KRTAP1-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 95-125 amino acids from the Central region of human KRTAP1-1.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-KRTAP1-1 antibody	Antibodies; Keratin; Cytokeratin
Applications Tested/Suitable for anti-KRTAP1-1 antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-KRTAP1-1 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-KRTAP1-1 antibody	MaxLight650 is a new Far-IR stable dye conjugate comparable to Alexa Fluor647, DyLight649, Cy5 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (655nm); Emission (676nm); Extinction Coefficient 250,000.

Product References and Citations for anti-KRTAP1-1 antibody	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).
Other Notes	Small volumes of anti-KRTAP1-1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for KRTAP1-1 purchase	MBS6314851 is an antibody targeting KRTAP1-1. Also known as KRTAP1-1, ID (KRTAP1-1, B2A, KAP1.1, KAP1.6, KAP1.7, KRTAP1.1, Keratin-associated protein 1-1, High sulfur keratin-associated protein 1.1, Keratin-associated protein 1.1, Keratin-associated protein 1.6, Keratin-associated protein 1.7) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRTAP1-1. It may not necessarily be applicable to this product.

NCBI GI #	13569942
NCBI GeneID	81851
NCBI Accession #	NP_112229.1
UniProt Primary Accession #	Q07627
UniProt Secondary Accession #	Q96S60; Q96S67; A6NC32
UniProt Related Accession #	Q07627
GenBank Nucleotide #	NM_030967.2
NCBI Official Full Name	keratin-associated protein 1-1
NCBI Official Synonym Full Names	keratin associated protein 1-1
NCBI Official Symbol	KRTAP1-1
NCBI Official Synonym Symbols	HB2A; KAP1.1; KAP1.6; KAP1.7; KAP1.1A; KAP1.1B; KRTAP1A; hKAP1.7; KRTAP1.1
UniProt Protein Name	Keratin-associated protein 1-1
UniProt Synonym Protein Names	High sulfur keratin-associated protein 1.1; Keratin-associated protein 1.1; Keratin-associated protein 1.6; Keratin-associated protein 1.7
Protein Family	Keratin-associated protein
UniProt Gene Name	KRTAP1-1
UniProt Synonym Gene Names	B2A; KAP1.1; KAP1.6; KAP1.7; KRTAP1.1
UniProt Entry Name	KRA11_HUMAN
NCBI Protein Information	keratin-associated protein 1-1; keratin associated protein 1A; keratin associated protein 1.7; keratin-associated protein 1.6; keratin-associated protein 1.7; high sulfur keratin-associated protein 1.1
NCBI Summary for KRTAP1-1	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, Jul 2008]

UniProt Comments for KRTAP1-1	KRTAP1-1: 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. Belongs to the KRTAP type 1 family. Interacts with hair keratins Chromosomal Location of Human Ortholog: 17q12 Cellular Component: keratin filament
Research Articles on KRTAP1-1	**1.** polymorphisms in Japanese and Caucasian individuals
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