10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KAP11.1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56430

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8IUC1
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17085
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KAP11.1
Epitope Specificity	1-80/163
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	KRTAP11-1 belongs to the PMG family. 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-sulphur and high-glycine-tyrosine keratins.

Additional Information

Gene ID	337880
Other Names	Keratin-associated protein 11-1, High sulfur keratin-associated protein 11.1, KRTAP11-1, KAP11.1, KRTAP11.1
Target/Specificity	Expressed in the upper matrix and in the entire hair cortex.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	KRTAP11-1
Synonyms	KAP11.1, KRTAP11.1
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 upper matrix and in the entire hair cortex