KRTAP11-1 Conjugated Antibody

Catalog No: #C43665

Package Size: #C43665-AF350 100ul #C43665-AF405 100ul #C43665-AF488 100ul #C43665-AF555 100ul #C43665-AF594 100ul #C43665-AF647 100ul #C43665-AF680 100ul #C43665-AF750 100ul #C43665-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	KRTAP11-1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total KRTAP11-1 protein.
Immunogen Description	Synthetic peptide of human KRTAP11-1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	HACL1;HACL-1;KAP11.1
Accession No.	Swiss-Prot#:Q8IUC1NCBI Gene ID:337880NCBI mRNA#:NCBI Protein#:NP_787054
Uniprot	Q8IUC1
GeneID	337880;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	17
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°Cin dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Hair is a structure that is unique to mammals. It plays an important role in the retention of heat, as well as sexual dimorphism, attraction of mates and protection of skin. The major components of hair are ?-keratins and keratin-associated proteins (KRTAPs or KAPs), each of which are encoded by multigene families. Hair keratins form an intermediate filament (IF) network, which is embedded in an interfilamentous matrix consisting of KRTAPs. KRTAPS comprise three major groups, which are essential for the formation of rigid and resistant hair shafts through disulfide bond cross-linking or hydrophobic interactions with keratins. These groups are designated high cysteine (HS), which includes subfamilies 1, 2, 3, 10, 12, 16, 29 and 31, ultrahigh cysteine, including subfamilies 4, 5, 9, 17, 28, 30, 32 and 33, and high glycine-tyrosine (HGT), which includes subfamilies 6, 7, 8, 19, 20 and 21. In addition, subfamilies 11, 13, 24-27, 29, 34 and 35 have high serine content but relative low cysteine content. After further phylogenetic studies, subfamilies 14 and 15 have been grouped with subfamily 13 and subfamily 22 was combined with subfamily 19.

Note: This product is for in vitro research use only