

KRT85 Rabbit pAb

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Catalog # AP56429

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P78386
Predicted	Rat, Dog, Human, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55802
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KRT85
Epitope Specificity	101-200/507
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Intermediate filament, Keratin filament
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a member of the keratin gene family. As a type II hair keratin, it is a basic protein which heterodimerizes with type I keratins to form hair and nails. The type II hair keratins are clustered in a region of chromosome 12q13 and are grouped into two distinct subfamilies based on structure similarity. One subfamily, consisting of KRTHB1, KRTHB3, and KRTHB6, is highly related. The other less-related subfamily includes KRTHB2, KRTHB4, and KRTHB5. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	3891
Other Names	Keratin, type II cuticular Hb5, Hair keratin K2.12, Keratin-85, K85, Type II hair keratin Hb5, Type-II keratin Kb25, KRT85, KRTHB5
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	KRT85 (HGNC:6462)
Function	Structural component of intermediate filaments in the hair follicle (PubMed: 16525032). As a type II hair keratin, participates in the formation of keratin intermediate filament networks by forming obligate heterodimers with type I hair keratins (PubMed: 16525032). Expressed at early stages of hair differentiation in matrix cells and later in cuticle-forming cells, where it contributes to the structural integrity and mechanical resilience of the hair shaft (PubMed: 16525032).
Tissue Location	Synthesis occurs immediately above a small population of matrix cells at the base of the hair bulb and the trichocytes lining the dermal papilla and extends upward through the matrix and ends in the lower part of the cortex of the hair shaft Expressed at early stages of hair differentiation in matrix cells of the hair follicle and later in cuticle-forming cells of the hair shaft (PubMed:11445569).

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.