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KRT86 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20108c

Product Information

Application	WB, E
Primary Accession	O43790
Other Accession	Q9Z2T6, P78386, P78385, A4FUZ0, Q14533, Q148H4, A6NCN2, NP_002275.1
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42669
Calculated MW	53501
Antigen Region	300-327

Additional Information

Gene ID	3892
Other Names	Keratin, type II cuticular Hb6, Hair keratin K211, Keratin-86, K86, Type II hair keratin Hb6, Type-II keratin Kb26, KRT86, KRTHB6
Target/Specificity	This KRT86 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 300-327 amino acids from the Central region of human KRT86.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	KRT86 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KRT86 (HGNC:6463)
Synonyms	KRTHB6

Function	Structural component of intermediate filaments in the hair shaft (PubMed:15744029, PubMed:25557232). Forms obligate heterodimers with type I hair keratins, which assemble into keratin intermediate filaments that contribute to the structural integrity and mechanical strength of the hair shaft (PubMed:15744029, PubMed:25557232).
Tissue Location	Expressed in the hair follicle, predominantly in the hair shaft cortex (PubMed:11445569). Synthesis begins slightly higher in the hair shaft than KRT81 and KRT83 and continues much farther up, ending in the keratogeneous zone

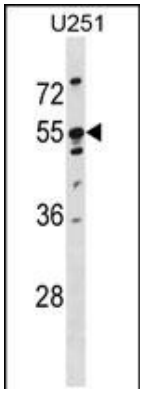
Background

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. All hair keratins are expressed in the hair follicle; this hair keratin, as well as KRTHB1 and KRTHB3, is found primarily in the hair cortex. Mutations in this gene and KRTHB1 have been observed in patients with a rare dominant hair disease, monilethrix.

References

ZHANG, S.D., et al. Eur J Dermatol 19(5):508-509(2009)
Feng, A.P., et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi 25(2):141-144(2008)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Schweizer, J., et al. J. Cell Biol. 174(2):169-174(2006)
Langbein, L., et al. Int. Rev. Cytol. 243, 1-78 (2005) :

Images



KRT86 Antibody (Center) (Cat. #AP20108c) western blot analysis in U251 cell line lysates (35ug/lane).This demonstrates the KRT86 antibody detected the KRT86 protein (arrow).

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