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KRT84 Rabbit pAb

Catalog # AP98037

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9NSB2
Other Accession	Q9NSB2
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64842
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KRT84
Epitope Specificity	401-500/600
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the intermediate filament family.
SUBUNIT	Heterotetramer of two type I and two type II keratins.
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. All hair keratins are expressed in the hair follicle; this hair keratin is contained primarily in the filiform tongue papilla, among other hair keratins. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	3890
Other Names	HB4; KRTHB4; HRb-1; Krt2-16; Krt2-3; Kb24; KRT84_HUMAN; KRT84; Keratin-84 (K84); Type II hair keratin Hb4; Type-II keratin Kb24; KRT84_MOUSE; 65 kDa type II keratin; keratin 84; keratin, hair, basic, 4; keratin 84, type II; hard keratin type II 4
Dilution	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	KRT84 (HGNC:6461)
Synonyms	KRTHB4
Function	Structural component of intermediate filaments in keratinizing epithelia (PubMed:11445569). As a type II hair keratin, forms obligate heterodimers with type I keratins to assemble keratin intermediate filaments (By similarity). Expressed predominantly in the posterior compartment of the filiform papillae of the tongue, where it contributes to the structural integrity and mechanical resilience of specialized keratinized epithelial cells (Probable).
Tissue Location	Expressed in non-hair stratified epithelia, including the posterior compartment of the tongue filiform papillae (PubMed:11445569). Expressed in the hair follicles

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