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

Keratin82 Rabbit pAb

Catalog # AP97401

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9NSB4
Other Accession	Q9NSB4
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56653
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Keratin82/KRT82
Epitope Specificity	351-450/513
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	KRT82 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 keratin appears to be a hair cuticle-specific keratin.

Additional Information

Gene ID	3888
Other Names	HB2; Hb-2; KRTHB2; Krt2-20; KRT82_HUMAN; KRT82; Keratin-82 (K82); Type II hair keratin Hb2; Type-II keratin Kb22; KRT82_MOUSE; keratin 82; keratin, hair, basic, 2; keratin 82, type II; hard keratin type II 2
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	KRT82 (HGNC:6459)
Synonyms	KRTHB2
Function	Structural component of intermediate filaments in the hair follicle. As a type II hair keratin, forms obligate heterodimers with type I hair keratins that assemble into keratin intermediate filaments. Expressed specifically in cuticle-forming cells of the hair shaft during the anagen phase, where it contributes to the formation and structural integrity of the hair cuticle.
Cellular Location	Cytoplasm.
Tissue Location	Expressed in the hair follicle, specifically in hair shaft cuticle during the anagen phase of the hair cycle

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