

KRT71 Rabbit pAb

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Catalog # AP56426

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q3SY84
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57292
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KRT71
Epitope Specificity	451-523/523
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
DISEASE	Hypotrichosis 13 (HYPT13) [MIM:615896]: A form of hypotrichosis, a condition characterized by the presence of less than the normal amount of hair and abnormal hair follicles and shafts, which are thin and atrophic. The extent of scalp and bodyhair involvement can be very variable, within as well as between families. HYPT13 is characterized by sparse woolly hair.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. This gene encodes a protein that is expressed in the inner root sheath of hair follicles. The type II keratins are clustered in a region of chromosome 12q13.[provided by RefSeq, Jun 2009]

Additional Information

Gene ID	112802
Other Names	Keratin, type II cytoskeletal 71, Cytokeratin-71, CK-71, Keratin-71, K71, Type II inner root sheath-specific keratin-K6irs1, Keratin 6 irs, hK6irs, hK6irs1, Type-II keratin Kb34, KRT71, K6IRS1, KB34, KRT6IRS1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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	KRT71
Synonyms	K6IRS1, KB34, KRT6IRS1
Function	Plays a central role in hair formation. Essential component of keratin intermediate filaments in the inner root sheath (IRS) of the hair follicle.
Cellular Location	Cytoplasm, cytoskeleton
Tissue Location	Highly expressed in hair follicles from scalp. Specifically expressed in the inner root sheath (IRS) of the hair follicle. Present in the all 3 IRS layers: the cuticle, the Henle and the Huxley layers. Also detected in the pseudopods of specialized Huxley cells, termed Fluegelzellen, along the area of differentiated Henle cells (at protein level).

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