

KRT25 Rabbit pAb

Catalog # AP98035

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q7Z3Z0
Other Accession	Q7Z3Z0
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49318
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KRT25
Epitope Specificity	401-450/450
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the type I (acidic) keratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. The type I keratin genes are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2009]

Additional Information

Gene ID	147183
Other Names	ARWH3; KRT24IRS1; KRT25A; K1C25_HUMAN; KRT25; Cytokeratin-25 (CK-25); Keratin-25 (K25); Keratin-25A (K25A); Type I inner root sheath-specific keratin-K25irs1; keratin 25; keratin 25A; keratin 25, type I
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	KRT25 (HGNC:30839)
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Function	Essential for the proper assembly of type I and type II keratin protein complexes and formation of keratin intermediate filaments in the inner root sheath (irs) (By similarity). Plays a role in the cytoskeleton organization (PubMed: 26902920).
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q8VCW2}.
Tissue Location	Strongly expressed in skin and scalp, and weak expression observed in thymus and tongue. In the hair follicle, expressed in Henle layer, Huxley layer and in the inner root sheath cuticle of the hair follicle. Expression extends from the bulb region up to the point of differentiation into the three layers. Also present in the medulla of beard hair (at protein level)

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