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KRT75 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56428

Specification

KRT75 Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	O95678
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**60 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human KRT75**
Epitope Specificity	**421-520/551**
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.**
DISEASE	**Defects in KRT75 may be a cause of loose anagen hair syndrome (LAHS) [MIM:600628]. In LAHS, anagen hairs are easily pulled from the scalp. The hair is relatively sparse and does not grow long. Hair of fair color and hair shafts of reduced caliber, and an early age of onset are features. Usually the hairs are not fragile and there are no areas of breakage.**
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 is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. This gene is expressed in the companion layer, upper germinative matrix region of the hair follicle, and medulla of the hair shaft. The encoded protein plays an essential role in hair and nail formation. Variations in this gene have been associated with the hair disorders pseudofolliculitis barbae (PFB) and loose anagen hair syndrome (LAHS). [provided by RefSeq, Oct 2008]

KRT75 Polyclonal Antibody - Additional Information

Gene ID 9119

Other Names

Keratin, type II cytoskeletal 75, Cytokeratin-75, CK-75, Keratin-6 hair follicle, hK6hf, Keratin-75, K75, Type II keratin-K6hf, Type-II keratin Kb18, KRT75, K6HF, KB18

Target/Specificity
Highly expressed in hair follicles from scalp. Specifically expressed in the of the hair companion layer follicle, a single layered band of flat and vertically oriented cells between the cuboidal outer root sheath (ORS) cells and the inner root sheath (IRS) that stretches from the lowermost bulb region to the isthmus of the follicle. Also expressed in medullated hairs. In nails, it is almost exclusively present in the nail bed (at protein level).

Dilution
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage
Store at -20 ℃ 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 ℃.

KRT75 Polyclonal Antibody - Protein Information

Name KRT75

Synonyms K6HF, KB18

Function
Plays a central role in hair and nail formation. Essential component of keratin intermediate filaments in the companion layer of the hair follicle.

Tissue Location
Highly expressed in hair follicles from scalp. Specifically expressed in the of the hair companion layer follicle, a single layered band of flat and vertically oriented cells between the cuboidal outer root sheath (ORS) cells and the inner root sheath (IRS) that stretches from the lowermost bulb region to the isthmus of the follicle. Also expressed in medullated hairs. In nails, it is almost exclusively present in the nail bed (at protein level)

KRT75 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KRT75 Polyclonal Antibody - Images