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LOXHD1 Rabbit pAb

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Catalog # AP57051

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IVV2
Predicted	Rat, Pig, Dog, Human, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	235677
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LOXHD1
Epitope Specificity	1171-1270/1947
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
DISEASE	Defects in LOXHD1 are the cause of deafness autosomal recessive type 77 (DFNB77) [MIM:613079]. A form of non-syndromic deafness characterized by preserved low-frequency hearing, and a trend toward mild to moderate mid-frequency and high-frequency hearing loss during childhood and adolescence. Hearing loss progresses to become moderate to severe at mid and high frequencies during adulthood.
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 highly conserved protein consisting entirely of PLAT (polycystin/lipoxygenase/alpha-toxin) domains, thought to be involved in targeting proteins to the plasma membrane. Studies in mice show that this gene is expressed in the mechanosensory hair cells in the inner ear, and mutations in this gene lead to auditory defects, indicating that this gene is essential for normal hair cell function. Screening of human families segregating deafness identified a mutation in this gene which causes DFNB77, a progressive form of autosomal-recessive nonsyndromic hearing loss (ARNSHL). Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Mar 2010]

Additional Information

Gene ID	125336
Other Names	Lipoxygenase homology domain-containing protein 1, LOXHD1
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	LOXHD1
Function	Involved in hearing. Required for normal function of hair cells in the inner ear (By similarity).
Cellular Location	Cell projection, stereocilium.

Background

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