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MARVELD2 Recombinant Rabbit mAb

Catalog # AP98695

Product Information

Application	WB, IHC-P, IHC-F, IF, IP, E
Primary Accession	Q8N4S9
Other Accession	Q8N4S9
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	64168
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 MARVEL domain.
DISEASE	Deafness, autosomal recessive, 49 (DFNB49) [MIM:610153]: A form of non-syndromic sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information. Note: The disease is caused by mutations affecting the gene represented in this entry.
Background Descriptions	The protein encoded by this gene is a membrane protein found at the tight junctions between epithelial cells. The encoded protein helps establish epithelial barriers such as those in the organ of Corti, where these barriers are required for normal hearing. Defects in this gene are a cause of deafness autosomal recessive type 49 (DFNB49). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011],

Additional Information

Gene ID	153562
Other Names	CK820_G0034220; DFNB49; MARVD2; MRVLDC2; Tric; CR201_G0016104; MALD2_HUMAN; MARVELD2; Tricellulin; MARVEL domain containing 2; MARVEL (membrane-associating) domain containing 2; deafness, autosomal recessive 49; MARVEL domain-containing protein 2 (Tricellulin)
Dilution	IHC-P=1:50-200,IHC-F=1:50-200,WB=1:500-2000,IF=1:50-200,ELISA=1:5000-10000,IP=1:50-200
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	MARVELD2 (HGNC:26401)
Synonyms	TRIC
Function	Plays a role in the formation of tricellular tight junctions and of epithelial barriers (By similarity). Required for normal hearing via its role in the separation of the endolymphatic and perilymphatic spaces of the organ of Corti in the inner ear, and for normal survival of hair cells in the organ of Corti (PubMed:17186462).
Cellular Location	Cell membrane; Multi-pass membrane protein. Cell junction, tight junction. Note=Located at tricellular contacts.

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