

Rabbit anti-Human DFNB31 Polyclonal Antibody | anti-DFNB31 antibody

DFNB31 Antibody (Center)

CATALOG # AAA285831	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

DFNB31; Polyclonal Antibody; DFNB31 Antibody (Center); Whirlin; Autosomal recessive deafness type 31 protein; KIAA1526; WHRN; anti-DFNB31 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DFNB31 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 378-406 amino acids from the Central region of human DFNB31.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	378-406
Sequence Length	524
Applicable Applications for anti-DFNB31 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

DFNB31 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of DFNB31 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of lysate from human kidney tissue lysate, using DFNB31 Antibody (Center). AAA285831 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-DFNB31 antibody	This gene is thought to function in the organization and stabilization of stereocilia elongation and actin cytoskeletal assembly, based on studies of the related mouse gene. Mutations in this gene have been associated with autosomal recessive non-syndromic deafness and Usher Syndrome. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. Cellular Location: Cytoplasm {ECO:0000250 UniProtKB:Q80VW5}. Cell projection, stereocilium {ECO:0000250 UniProtKB:Q80VW5}. Cell projection, growth cone {ECO:0000250 UniProtKB:Q80VW5}. Photoreceptor inner segment {ECO:0000250 UniProtKB:Q80VW5}. Cell junction, synapse {ECO:0000250 UniProtKB:Q810W9}. Note=Detected at the level of stereocilia in inner and outer hair cells of the cochlea and vestibule Localizes to both tip and ankle-link stereocilia regions. Colocalizes with the growing ends of actin filaments. Colocalizes with MPP1 in the retina, at the outer limiting membrane (OLM), outer plexiform layer (OPL), basal bodies and at the connecting cilium (CC). In photoreceptors, localizes at a plasma membrane microdomain in the apical inner segment that surrounds the connecting cilia called periciliary membrane complex. {ECO:0000250 UniProtKB:Q80VW5, ECO:0000250 UniProtKB:Q810W9, ECO:0000269 PubMed:17584769}
Product Categories/Family for anti-DFNB31 antibody	Neuroscience
References	Letra, A., et al. Am. J. Med. Genet. A 152A (7), 1701-1710 (2010) : Secolin, R., et al. Psychiatr. Genet. 20(3):126-129(2010) Aller, E., et al. Mol. Vis. 16, 495-500 (2010) : Toiyama, Y., et al. Int. J. Oncol. 35(4):709-715(2009) Gosens, I., et al. Hum. Mol. Genet. 16(16):1993-2003(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	290746378
NCBI GeneID	25861
NCBI Accession #	NP_001077354.2; NP_001166896.1; NP_056219.3
NCBI GenBank Nucleotide #	NM_001083885.2
UniProt Accession #	Q9P202; Q5TAU9; Q5TAV0; Q5TAV1; Q5TAV2; Q96MZ9; Q9H9F4; Q9UFZ3; A5PKU1; A5PKZ9
Molecular Weight	Calculated MW: 96558
NCBI Official Full Name	whirlin isoform 2
NCBI Official Synonym Full Names	deafness, autosomal recessive 31
NCBI Official Symbol	DFNB31
NCBI Official Synonym Symbols	WI; WHRN; CIP98; USH2D; PDZD7B
NCBI Protein Information	whirlin
UniProt Protein Name	Whirlin
UniProt Gene Name	DFNB31
UniProt Synonym Gene Names	KIAA1526; WHRN
UniProt Entry Name	WHRN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.