

Rabbit Otoferlin Polyclonal Antibody | anti-OTOF antibody

Anti-Otoferlin Antibody

CATALOG # AAA46282	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Otoferlin; Polyclonal Antibody; Anti-Otoferlin Antibody; AUNB1; Deafness; autosomal recessive 9; DFNB6; DFNB9; Fer 1 like protein 2; Fer-1-like protein 2; FER1L2; NSRD9; Otof; OTOF_HUMAN; otoferlin; anti-OTOF antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	1997
Applicable Applications for anti-OTOF antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Otoferlin (1831-1863aa QIWDADHFSADDFLGAIELDLNRFPRGAKTAKQ), identical to the related mouse and rat sequences.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	The labs provides a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit in Western Blot (WB), supported by
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquoted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

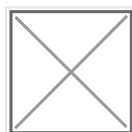
IMAGES


IHC (Immunohistochemistry)

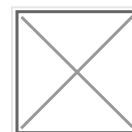
Anti- Otoferlin Picoband antibody, AAA46282,IHC(P)IHC(P): Human Glioma Tissue


IHC (Immunohistochemistry)

Anti- Otoferlin Picoband antibody, AAA46282,IHC(P)IHC(P): Rat Brain Tissue


IHC (Immunohistochemistry)

Anti- Otoferlin Picoband antibody, AAA46282,IHC(P)IHC(P): Mouse Brain Tissue


WB (Western Blot)

Anti- Otoferlin Picoband antibody, AAA46282, Western blottingAll lanes: Anti Otoferlin (AAA46282) at 0.5ug/mlLane 1: Rat Cardiac Muscle Tissue Lysate at 50ugLane 2: 293T Whole Cell Lysate at 40ugPredicted bind size: 227KDObserved bind size: 227KD

ADDITIONAL INFORMATION

Related Product Information for anti-OTOF antibody	Description: Rabbit IgG polyclonal antibody for Otoferlin(OTOF) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Otoferlin is a protein that in humans is encoded by the OTOF gene. Mutations in this gene are a cause of neurosensory nonsyndromic recessive deafness, DFNB9. The short form of the encoded protein has three C2 domains, a single carboxy-terminal transmembrane domain found also in the C. elegans spermatogenesis factor FER-1 and human dysferlin, while the long form has six C2 domains. The homology suggests that this protein may be involved in vesicle membrane fusion. Several transcript variants encoding multipleisoforms have been found for this gene.
References	1. "Entrez Gene: OTOF otoferlin". 2. Rodriguez-Ballesteros M, Reynoso R, Olarte M, Villamar M, Morera C, Santarelli R, Arslan E, Meda C, Curet C, Volter C, Sainz-Quevedo M, Castorina P, Ambrosetti U, Berrettini S, Frei K, Tedin S, Smith J, Cruz Tapia M, Cavalle L, Gelvez N, Primignani P, Gomez-Rosas E, Martin M, Moreno-Pelayo MA, Tamayo M, Moreno-Barral J, Moreno F, del Castillo I (May 2008). "A multicenter study on the prevalence and spectrum of mutations in the otoferlin gene (OTOF) in subjects with nonsyndromic hearing impairment and auditory neuropathy". Hum Mutat 29(6): 823-31. 3. Yasunaga S, Grati M, Cohen-Salmon M, El-Amraoui A, Mustapha M, Salem N, El-Zir E, Loiselet J, Petit C (Apr 1999). "A mutation in OTOF, encoding otoferlin, a FER-1-like protein, causes DFNB9, a nonsyndromic form of deafness". Nat Genet 21 (4): 363-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	566559996
NCBI GeneID	9381
NCBI Accession #	NP_001274418.1
NCBI GenBank Nucleotide #	NM_001287489.1
UniProt Accession #	Q9HC10; Q53R90; Q9HC08; Q9HC09; Q9Y650; B4DJX0; B5MCC1; B9A0H6
NCBI Official Full Name	otoferlin isoform e
NCBI Official Synonym Full Names	otoferlin
NCBI Official Symbol	OTOF
NCBI Official Synonym Symbols	AUNB1; DFNB6; DFNB9; NSRD9; FER1L2
NCBI Protein Information	otoferlin
UniProt Protein Name	Otoferlin
UniProt Gene Name	OTOF
UniProt Synonym Gene Names	FER1L2
UniProt Entry Name	OTOF_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.