

Mouse Otoferlin Monoclonal Antibody | anti-Otof antibody

Otoferlin Monoclonal Antibody

CATALOG # AAA47774	HOST Mouse	APPLICATIONS Immunofluorescence, Immunoblot, Western Blot
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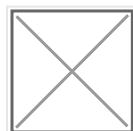
PRODUCT SYNONYMS

Otoferlin; Monoclonal Antibody; Otoferlin Monoclonal Antibody; Anti-Otoferlin; anti-Otof antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody recognizes human otoferlin.
Form/Format	100ug, Protein A-purified, lyophilized, 0.1M Tris, 0.1M glycine, 2% sucrose, 1mg/ml.
Sequence Length	1998
Applicable Applications for anti-Otof antibody	IF (Immunofluorescence), IB (Immunoblot)
Antigen	GST fusion protein corresponding to aa 1-395 of human otoferlin (accession no. Q9HC10).
Reconstitution	Reconstitute in distilled water.
Preparation and Storage	This product is stable for at least one year at -20°C to -70°C. Reconstituted product should be stored in appropriate aliquots to avoid repeated freeze-thaw cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-Otof antibody	Otoferlin protein is the product of the OTOF gene. Otoferlin is present in the brain and the cochlea of the inner ear where sound is processed. Hearing relies on Ca ²⁺ influx-driven exocytosis of synaptic vesicles at the ribbon-type active zones of hair cells. The presence of several C2 domains in otoferlin, some of which bind Ca ²⁺ , suggest that otoferlin is a Ca ²⁺ sensor for fusion in inner hair cell (IHC) synapses.
Product Categories/Family for anti-Otof antibody	Neuroscience and Signal Transduction Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	454606500
NCBI GeneID	84573

NCBI Accession #	NP_001263649.1
NCBI GenBank Nucleotide #	NM_001276720.1
Molecular Weight	226,339 Da
NCBI Official Full Name	otoferlin
NCBI Official Synonym Full Names	otoferlin
NCBI Official Symbol	Otof
NCBI Protein Information	otoferlin
UniProt Protein Name	Otoferlin
UniProt Gene Name	Otof
UniProt Synonym Gene Names	Fer1l2
UniProt Entry Name	OTOF_RAT

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/otoferlin-antibody-immunofluorescence-immunoblot-elisa/47774>