

ARG45853 anti-Zebrafish Otoferlin antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Otoferlin
Tested Reactivity	Zfsh
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Otoferlin
Species	Zebrafish
Conjugation	Un-conjugated
Alternate Names	OTOF; FER1L2; DFNB6; AUNB1; DFNB9; Fer-1-like protein 2; NSRD9; Otoferlin

Application Instructions

Application table	Application	Dilution
	IHC-P	2-5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

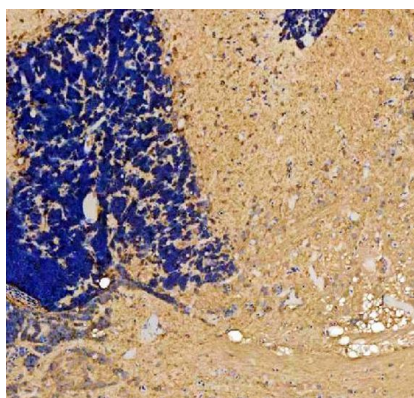
Form	Liquid
Purification	Affinity chromatography purified
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Sodium azide and 50% glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	OTOF
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Gene Full Name	otoferlin
Background	Mutations in this gene are a cause of neurosensory nonsyndromic recessive deafness, DFNB9. The short form of the encoded protein has 3 C2 domains, a single carboxy-terminal transmembrane domain found also in the <i>C. elegans</i> spermatogenesis factor FER-1 and human dysferlin, while the long form has 6 C2 domains. The homology suggests that this protein may be involved in vesicle membrane fusion. Several transcript variants encoding multiple isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Key calcium ion sensor involved in the Ca(2+)-triggered synaptic vesicle-plasma membrane fusion and in the control of neurotransmitter release at these output synapses. Interacts in a calcium-dependent manner to the presynaptic SNARE proteins at ribbon synapses of cochlear inner hair cells (IHCs) to trigger exocytosis of neurotransmitter. Also essential to synaptic exocytosis in immature outer hair cells (OHCs). May also play a role within the recycling of endosomes (By similarity). [UniProt]
Calculated Mw	227 kDa
Cellular Localization	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass type II membrane protein. Basolateral cell membrane; Single-pass type II membrane protein. Endoplasmic reticulum membrane; Single-pass type II membrane protein. Cell membrane; Single-pass type II membrane protein. [UniProt]

Images



ARG45853 anti-Zebrafish Otoferlin antibody IHC-P image

Immunohistochemistry: Zebrafish brain stained with ARG45853 anti-Zebrafish Otoferlin antibody at 2 µg/ml dilution.