

For Research Use Only

OTOF Polyclonal antibody

Catalog Number: 20721-1-AP



Basic Information

Catalog Number: 20721-1-AP	GenBank Accession Number: NM_004802	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop;	GeneID (NCBI): 9381	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	Full Name: otoferlin	
Isotype: IgG	Calculated MW: 227 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : rat brain tissue, mouse brain tissue
Species Specificity: human, mouse, rat	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Otoferlin, a C2 domain transmembrane protein, is a major calcium sensor regulating extracellular secretion in mammalian internal hair cells. Deafness caused by mutations in the OTOF gene encoding Otoferlin is a recessive genetic disorder, a sensorineural deafness. It is expressed in the brain, inner hair cells and vestibular hair cells. (PMID: 17055430; PMID: 17229086)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

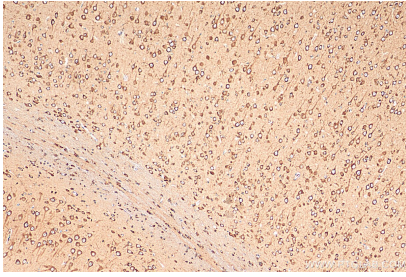
For technical support and original validation data for this product please contact:

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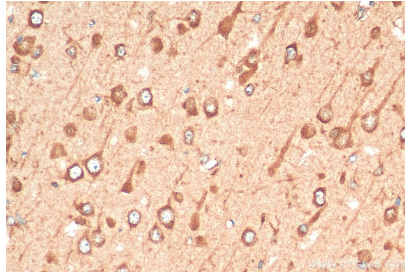
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 20721-1-AP (OTOF antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 20721-1-AP (OTOF antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).