

For Research Use Only

# OTOF Polyclonal antibody

Catalog Number: 20721-1-AP



## Basic Information

Catalog Number:

20721-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_004802

GeneID (NCBI):

9381

UNIPROT ID:

Q9HC10

Full Name:

otoferlin

Calculated MW:

227 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

## Applications

Tested Applications:

IHC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

IHC : rat brain tissue, mouse brain tissue

**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

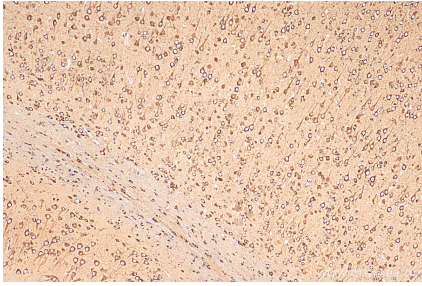
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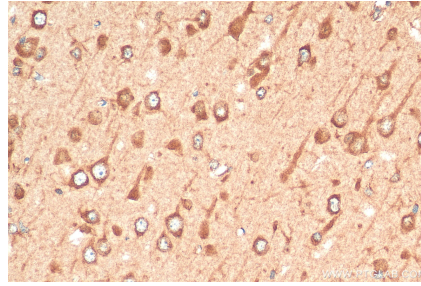
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## Selected Validation Data



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).