Datasheet for ABIN3042499

anti-Otoferlin antibody (C-Term)

4 Images

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Overview

Quantity:	100 µg
Target:	Otoferlin (OTOF)
Binding Specificity:	AA 1831-1863, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Otoferlin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Otoferlin(OTOF) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
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.
Sequence:	QIWDADHFSA DDFLGAIELD LNRFPRGAKT AKQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Otoferlin(OTOF) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: otoferlin

Product Details

	Protein Name: Otoferlin
Purification:	Immunogen affinity purified.

Target Details

Target:	Otoferlin (OTOF)
Alternative Name:	OTOF (OTOF Products)
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. Synonyms: AUNB1 antibody|Deafness, autosomal recessive 9 antibody|DFNB6 antibody|DFNB9 antibody|Fer 1 like protein 2 antibody|Fer-1-like protein 2 antibody|FER1L2 antibody|NSRD9 antibody|Otof antibody|OTOF_HUMAN antibody|Otoferlin antibody
Gene ID:	9381
Pathways:	Sensory Perception of Sound, Synaptic Vesicle Exocytosis

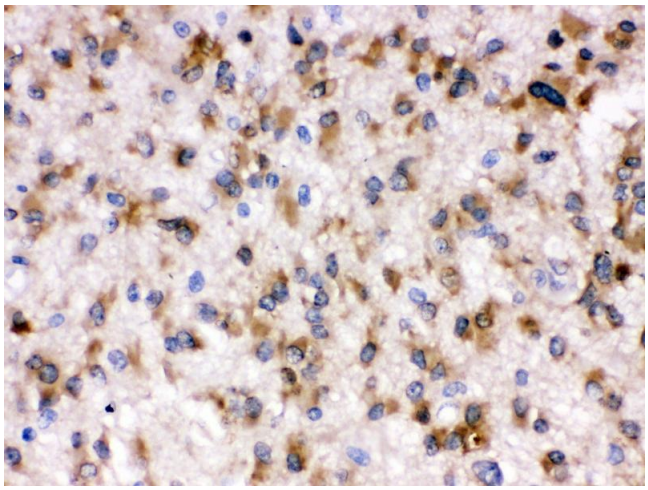
Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

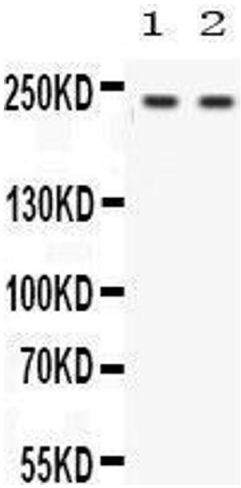
Images



Immunohistochemistry

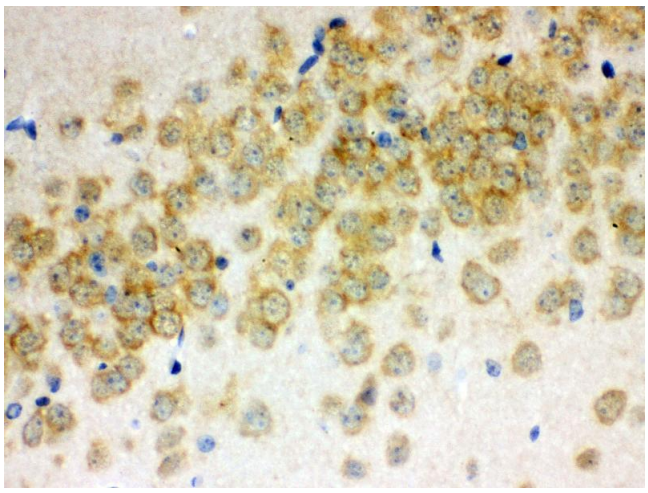
Image 1. Anti- Otoferlin Picoband antibody,IHC(P) IHC(P): Human Glioma Tissue

Images



Western Blotting

Image 2. Observed bind size: 227KD



Immunohistochemistry

Image 3. Anti- Otoferlin Picoband antibody,IHC(P) IHC(P): Mouse Brain Tissue

Please check the product details page for more images. Overall 4 images are available for ABIN3042499.