Datasheet for ABIN953947

anti-OTOA antibody (N-Term)

2 Images

Go to Product page

Overview

Quantity:	0.4 mL
Target:	OTOA
Binding Specificity:	AA 99-127, N-Term
Reactivity:	Mouse, Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OTOA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 99-127 amino acids from the N-terminal region of human Otoancorin / OTOA
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse Otoancorin / OTOA (N-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	OTOA
Alternative Name:	Otoancorin / OTOA (OTOA Products)

Target Details

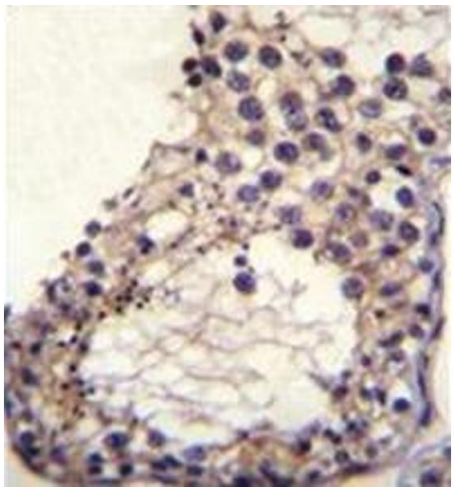
Background:	The protein encoded by this gene is specifically expressed in the inner ear, and is located at the interface between the apical surface of the inner ear sensory epithelia and their overlying acellular gels. It is prposed that this protein is involved in the attachment of the inner ear acellular gels to the apical surface of the underlying nonsensory cells. Mutations in this gene are associated with autosomal recessive deafness type 22 (DFNB22). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].
Molecular Weight:	128533 Da
Gene ID:	146183
NCBI Accession:	NP_001155155
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

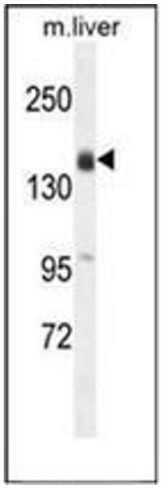
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
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:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue reacted with Otoancorin / OTOA, which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of OTOA Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of Otoancorin / OTOA Antibody (N-term) in mouse liver tissue lysates (35ug/lane). This demonstrates the OTOA antibody detected the OTOA protein (arrow).