

OTOAN rabbit pAb

Catalog No :	YT6771
Reactivity :	Human;Mouse
Applications :	WB
Target :	OTOAN
Gene Name :	OTOA
Protein Name :	OTOAN
Human Gene Id :	146183
Human Swiss Prot No :	Q7RTW8
Mouse Gene Id :	246190
Mouse Swiss Prot No :	Q8K561
Immunogen :	Synthesized peptide derived from human OTOAN AA range: 1044-1094
Specificity :	This antibody detects endogenous levels of OTOAN at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 127kD

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 proposed 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, Sep 2009],

Function :

disease:Defects in OTOA are the cause of non-syndromic sensorineural deafness autosomal recessive type 22 (DFNB22) [MIM:607039]. DFNB22 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.,function:May act as an adhesion molecule.,similarity:Belongs to the stereocilin family.,subcellular location:At the interface between the apical surface of the epithelia and the overlying acellular gel of the tectorial and otoconial membranes.,

Subcellular Location :

Apical cell membrane ; Lipid-anchor, GPI-anchor ; Extracellular side . Secreted, extracellular space, extracellular matrix . At the interface between the apical surface of the epithelia and the overlying acellular gel of the tectorial and otoconial membranes. .

Products Images

