antibodies -online.com







anti-OTOA antibody (AA 231-330)



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Quantity:	100 μL
Target:	ОТОА
Binding Specificity:	AA 231-330
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OTOA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human OTOA/DFNB22
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat
Purification:	Purified by Protein A.

Target Details

Target:	OTOA		
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Target Details

Alternative Name:	OTOA/DFNB22 (OTOA Products)	
Background:	Synonyms: Cancer/testis antigen 108, CT108, Deafness, autosomal recessive 22, DFNB22,	
	OTOA, OTOAN_HUMAN, Otoancorin.	
	Background: Otoancorin, also known as OTOA, CT108 or DFNB22, is a 1,153 amino acid protein	
	belonging to the stereocilin family. Expressed in the inner ear and restricted to the interface	
	between the apical surface of sensory epithelia, otoancorin is suggested to act as an adhesion	
	molecule. Otoancorin ensures the attachment of the inner ear acellular gels to the apical	
	surface of the underlying nonsensory cells. Mutations in the gene encoding otoancorin leads to	
	deafness autosomal recessive type 22 (DFNB22), which 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. Existing as three	
	alternatively spliced isoforms, otoancorin is encoded by a gene located on human chromosome	
	16p12.2.	
Gene ID:	146183	
UniProt:	Q7RTW8	
Pathways:	Sensory Perception of Sound	
Application Details		
Application Notes:	WB 1:300-5000	
	ELISA 1:500-1000	
	IHC-P 1:200-400	
	IHC-F 1:100-500	
	IF(IHC-P) 1:50-200	
	IF(IHC-F) 1:50-200	
	IF(ICC) 1:50-200	
	ICC 1:100-500	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.	

Handling

Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
Expiry Date:	12 months	