

For Research Use Only

OTOG Polyclonal antibody

Catalog Number:33794-1-AP



Basic Information

Catalog Number: 33794-1-AP	GenBank Accession Number: NM_001277269.2	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 340990	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	UNIPROT ID: Q6ZRI0-1	
Immunogen Catalog Number: EG5591	Full Name: otogelin	
	Calculated MW: 315 kDa	
	Observed MW: 314 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Caco-2 cells, U-251 cells
Species Specificity: human	

Background Information

OTOG (Otogelin) is a glycoprotein that is highly expressed in the inner ear and is essential for maintaining hearing and balance functions. It belongs to the mucin-like glycoprotein family and is a large extracellular matrix protein with numerous glycosylation sites. This allows it to form gel-like structures that provide structural support during mechanical transduction in the inner ear. Mutations or loss of function in the OTOG gene can lead to severe hereditary deafness and vestibular dysfunction. There are two isoforms of OTOG, with molecular weights of 160 kDa and 314 kDa respectively.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

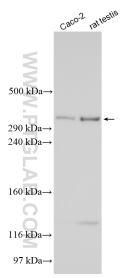
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33794-1-AP (OTOG antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.