

For Research Use Only

OTOG Polyclonal antibody, PBS Only

Catalog Number:33794-1-PBS



Basic Information

Catalog Number:

33794-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG5591

GenBank Accession Number:

NM_001277269.2

GeneID (NCBI):

340990

UNIPROT ID:

Q6ZRI0-1

Full Name:

otogelin

Calculated MW:

315 kDa

Observed MW:

314 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, Indirect ELISA

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 -80°C.

Storage Buffer:

PBS only, pH7.3

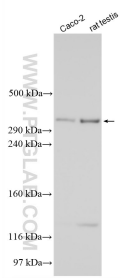
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 33794-1-PBS in a different storage buffer formulation.