

PDZD7 Polyclonal antibody

Catalog Number: 21084-1-AP

Basic Information

Catalog Number: 21084-1-AP	GenBank Accession Number: BC029054	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop and 393 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79955	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9H5P4	
Isotype: IgG	Full Name: PDZ domain containing 7	
Immunogen Catalog Number: AG15318	Calculated MW: 517 aa, 56 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : mouse ear tissue, mouse retina tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse eye tissue,

Background Information

PDZD7, also known as PDZK7, is essential in organizing the USH2 complex at stereocilia ankle links and blocks inhibition of adenylate cyclase activity mediated by ADGRV1. PDZD7 encodes a PDZ domain-containing scaffold protein that is highly expressed in hair cells of the inner ear. PDZD7 is also expressed in the cilia of photoreceptors (PMID: 33530996). Dysfunction or mutations of PDZD7 result in Usher syndrome type 2 (USH2) and Autosomal recessive non-syndromic hearing loss (ARNSHL) (PMID: 29048736, 20440071).

Storage

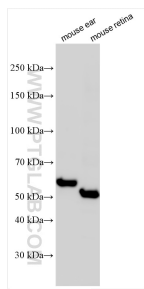
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

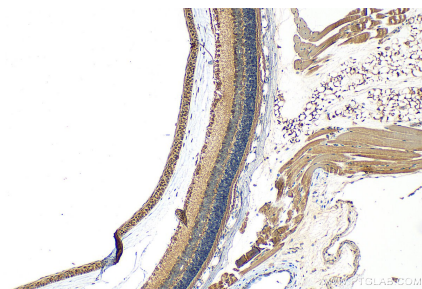
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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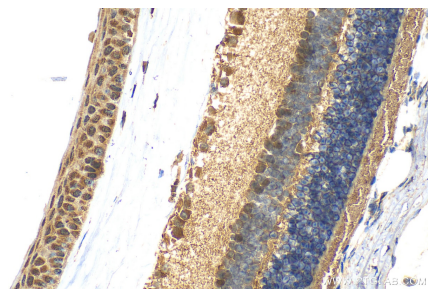
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21084-1-AP (PDZD7 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 21084-1-AP (PDZD7 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 21084-1-AP (PDZD7 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).