

For Research Use Only

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 µg/ml by Nanodrop and 393 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79955	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: PDZ domain containing 7	
Isotype: IgG	Calculated MW: 517 aa, 56 kDa	
Immunogen Catalog Number: AG15318	Observed MW: 55 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse ear tissue, mouse retina tissue
Species Specificity: human, mouse	

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

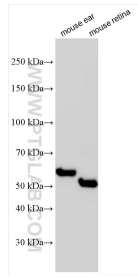
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.