

For Research Use Only

# PDZD7 Polyclonal antibody

Catalog Number: 21084-1-AP



## Basic Information

Catalog Number:

21084-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15318

GenBank Accession Number:

BC029054

GeneID (NCBI):

79955

UNIPROT ID:

Q9H5P4

Full Name:

PDZ domain containing 7

Calculated MW:

517 aa, 56 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : mouse ear tissue, mouse retina 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

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

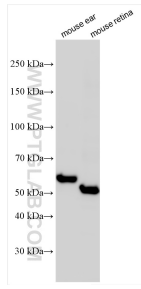
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.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.