

For Research Use Only

PALMD Polyclonal antibody

Catalog Number: 16531-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

16531-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9796

GenBank Accession Number:

BC012570

GeneID (NCBI):

54873

UNIPROT ID:

Q9NP74

Full Name:

palmdelphin

Calculated MW:

551 aa, 63 kDa

Observed MW:

80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, mouse lung tissue

IP : mouse heart tissue,

IHC : human liver tissue,

Background Information

Palmdelphin, encoded by PALMD gene, is a newly identified cytosolic isoform of paralemmin-1, a lipid raft-associated protein implicated in cell shape control. Paralemmin (Palm) is a prenyl-palmitoyl anchored membrane protein that can drive membrane and process formation in neurons. Previous finding suggest that palmdelphin may peripherally associate with endomembranes or cytoskeleton-linked structures. Palmdelphin appears to be 80 kDa in Western blotting, larger than the predicated of 63 kDa, and this may be due to the acidic nature of this protein or its posttranslational modification.

Notable Publications

Author	Pubmed ID	Journal	Application
N Dashzeveg	24810057	Cell Death Dis	WB
Sean-Patrick Riechers	26908611	Hum Mol Genet	WB
Min-Yun Cai	35494064	Front Oncol	WB

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

*** 20ul sizes contain 0.1% BSA

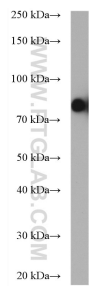
For technical support and original validation data for this product please contact:

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

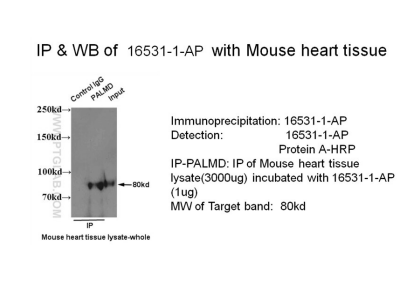
E: proteintech@ptglab.com
W: ptglab.com

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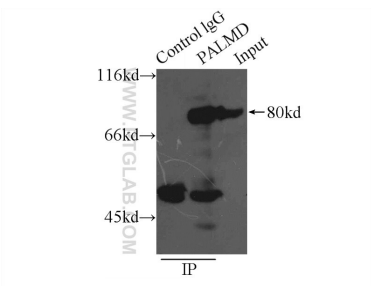
Selected Validation Data



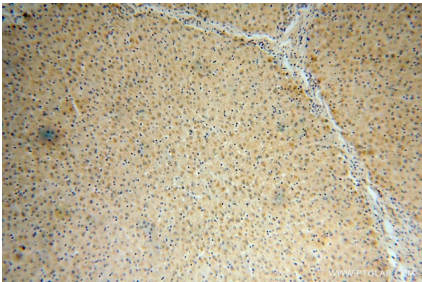
HeLa cells were subjected to SDS PAGE followed by western blot with 16531-1-AP (PALMD antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



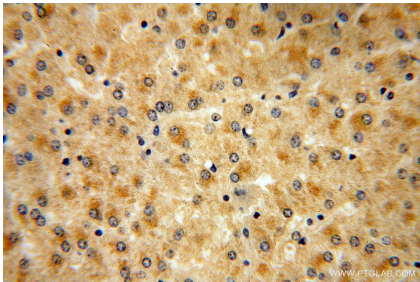
IP result of PALMD antibody (16531-1-AP for Ip and Detection) with mouse heart tissue lysate.



IP result of anti-PALMD (IP:16531-1-AP, 5ug; Detection:16531-1-AP 1:500) with mouse heart tissue lysate 6000ug.



Immunohistochemical analysis of paraffin-embedded human liver using 16531-1-AP (PALMD antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 16531-1-AP (PALMD antibody) at dilution of 1:100 (under 40x lens).