

For Research Use Only

# PTPIP51 Monoclonal antibody

Catalog Number: 68582-1-Ig



## Basic Information

Catalog Number:

68582-1-Ig

Size:

1000  $\mu$ g/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG15135

GenBank Accession Number:

BC008970

GeneID (NCBI):

55177

UNIPROT ID:

Q96TC7

Full Name:

family with sequence similarity 82, member A2

Calculated MW:

470 aa, 52 kDa

Observed MW:

52-60 kDa

Purification Method:

Protein G purification

CloneNo.:

1G11E2

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB: LNCaP cells, HepG2 cells, HuH-7 cells, HT-29 cells, HEK-293 cells, K-562 cells

## Background Information

Protein tyrosine phosphatase-interacting protein 51 (PTPIP51), also known as RMDN3, is a mitochondrial membrane-anchored protein that interacts with ER membrane-bound VAPB. The VAPB-PTPIP51 interaction impacts on intracellular  $Ca^{2+}$  handling (PMID: 22131369, 28345618). PTPIP51 participates in multiple cellular processes, and dysfunction of PTPIP51 is implicated in diseases such as cancer and neurodegenerative disorders (PMID: 28345618). The known initiation sites in the Ptpip51 gene would lead to molecular protein masses of 52, 38 and 30 kDa (PMID: 18854601, 19844996).

## Storage

Storage:

Store at  $-20^{\circ}C$ . Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for  $-20^{\circ}C$  storage

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

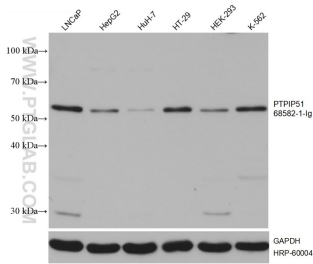
T: 4006900926

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 68582-1-Ig (PTPIP51 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.