

For Research Use Only

PTPIP51 Monoclonal antibody, PBS Only



Catalog Number: 68582-1-PBS

Basic Information

Catalog Number:

68582-1-PBS

Size:

1 mg/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 A purification

CloneNo.:

1G11E2

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human

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 Ca²⁺ 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 -80°C.

Storage Buffer:

PBS Only

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

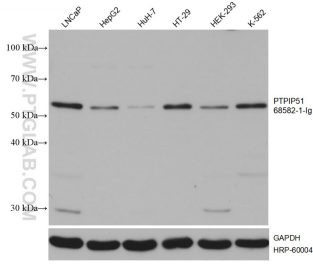
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Selected Validation Data



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. This data was developed using the same antibody clone with 68582-1-PBS in a different storage buffer formulation.