

For Research Use Only

PTPIP51 Monoclonal antibody

Catalog Number: 68582-1-Ig



Basic Information

Catalog Number: 68582-1-Ig	GenBank Accession Number: BC008970	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 55177	CloneNo.: 1G11E2
Source: Mouse	Full Name: family with sequence similarity 82, member A2	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG1	Calculated MW: 470 aa, 52 kDa	
Immunogen Catalog Number: AG15135	Observed MW: 52-60 kDa	

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 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 -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

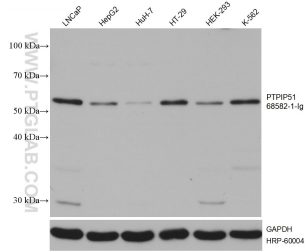
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68582-1-ig (PTIP51 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.