

For Research Use Only

MTMR2 Monoclonal antibody

Catalog Number: 67312-1-Ig **Featured Product**



Basic Information

Catalog Number: 67312-1-Ig	GenBank Accession Number: BC052990	Purification Method: Protein A purification
Size: 150ul , Concentration: 1700 ug/ml by 8898 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8898	CloneNo.: 1B11B7
Source: Mouse	UNIPROT ID: Q13614	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG2b	Full Name: myotubularin related protein 2	
Immunogen Catalog Number: AG28413	Calculated MW: 73 kDa	
	Observed MW: 66-73 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: Human, Pig	WB : HeLa cells, pig brain tissue, HEK-293 cells, Jurkat cells

Background Information

MTMR2(myotubularin-related protein 2) is also named as KIAA1073 and belongs to the non-receptor class myotubularin subfamily, which is characterized by the presence of a phosphatase domain. It may regulate vesicular trafficking in Schwann cells (PMID:17880751) and its reversible phosphorylation represents a critical mechanism for regulating the subcellular localization of MTMR2(PMID:21372139). MTMR2 is a 73 kDa protein in its monomeric form and exist as a dimer within cells and the protein re-localizes to membranes in hypo-osmotic settings(PMID:16399794). Defects in MTMR2 are the cause of Charcot-Marie-Tooth disease type 4B1 (CMT4B1). MTMR2 has two isoforms with the molecular mass of 73 and 66 kDa.

Storage

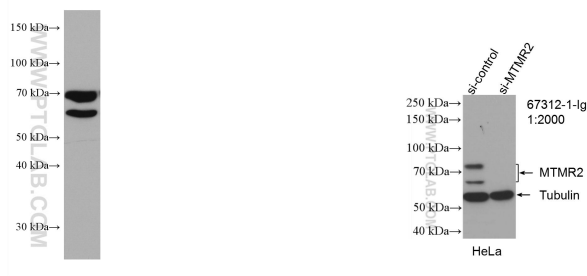
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 67312-1-Ig (MTMR2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.

WB result of MTMR2 antibody (67312-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MTMR2 transfected HeLa cells.