

For Research Use Only

MTMR14 Polyclonal antibody

Catalog Number: 28496-1-AP



Basic Information

Catalog Number: 28496-1-AP	GenBank Accession Number: BC050626	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 64419	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: Q8NCE2	
Isotype: IgG	Full Name: myotubularin related protein 14	
Immunogen Catalog Number: AG29627	Calculated MW: 72 kDa	
	Observed MW: 60-72 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MCF-7 cells, Neuro-2a cells
Species Specificity: Human, mouse	

Background Information

MTMR14, also known as Jumpy, belongs to the MTM1/MTMRs family which has 15 members that divided into two subgroup: catalytically inactive and active. MTMR14 is a catalytically active member possessing an active phosphatase domain, that specifically dephosphorylates PI3P and phosphatidylinositol (3,5)-bisphosphate (PI3,5P2) at position 3 on inositol ring. A remarkable feature of the MTM1/MTMRs family is the association between a catalytically inactive member and a catalytically active member, which plays an important regulatory role. MTMR14 has 3 isoforms with molecular weight of 60-72 kDa, and also can be detected as a higher molecular weight due to the heterodimerization with other MTMR members.

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

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

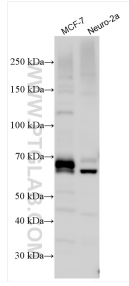
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28496-1-AP (MTMR14 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.