

For Research Use Only

MTMR9 Recombinant antibody

Catalog Number: 83694-4-RR



Basic Information

Catalog Number: 83694-4-RR	GenBank Accession Number: BC022003	Purification Method: Protein A purification
Size: 100ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 66036	CloneNo.: 240167G7
Source: Rabbit	UNIPROT ID: Q96QG7	Recommended Dilutions: WB 1:2000-1:10000 IF/ICC 1:50-1:500
Isotype: IgG	Full Name: myotubularin related protein 9	
Immunogen Catalog Number: AG34134	Calculated MW: 63 kDa	
	Observed MW: ~60 kDa	

Applications

Tested Applications: WB, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human	WB : HCT 116 cells, HEK-293 cells, HeLa cells, HepG2 cells, U2OS cells
	IF/ICC : HeLa cells,

Background Information

MTMR9 (Myotubularin-related protein 9) acts as an adapter for myotubularin-related phosphatases (PMID: 19038970; 22647598). MTMR9 can increase lipid phosphatase MTMR6 catalytic activity, specifically towards phosphatidylinositol 3,5-bisphosphate and MTMR6 binding affinity for phosphorylated phosphatidylinositols (PMID: 19038970; 22647598). It can also increase MTMR8 catalytic activity towards phosphatidylinositol 3-phosphate and stabilize MTMR8 protein levels (PMID: 22647598).

Storage

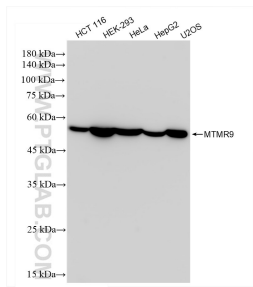
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

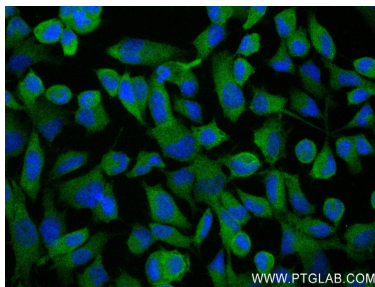
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

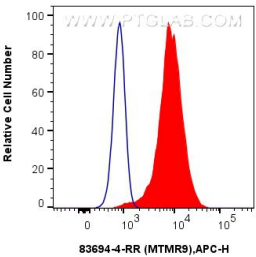
Selected Validation Data



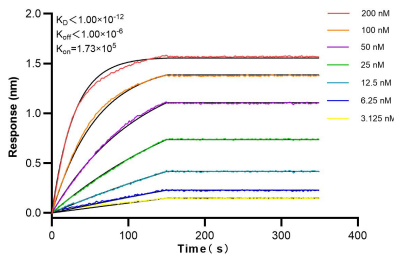
Various lysates were subjected to SDS PAGE followed by western blot with 83694-4-RR (MTMR9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using MTMR9 antibody (83694-4-RR, Clone: 240167G7) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug MTMR9 Recombinant antibody (83694-4-RR, Clone:240167G7) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83694-4-RR against Human MTMR9 were performed. The affinity constant is below 1 pM.