

For Research Use Only

MTMR4 Recombinant antibody

Catalog Number: 84328-1-RR



Basic Information

Catalog Number: 84328-1-RR	GenBank Accession Number: BC035609	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 9110	CloneNo.: 241304E11
Source: Rabbit	UNIPROT ID: Q9NYA4	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: myotubularin related protein 4	
Immunogen Catalog Number: AG4310	Calculated MW: 1195 aa, 133 kDa	
	Observed MW: 133 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human	

Background Information

Myotubularin-related protein-4 (MTMR4), also named FYVE-DSP2, is a member of the myotubularin family of phosphoinositide phosphatases that selectively degrade the 3-position phosphate from the inositol ring of PtdIns(3)P and phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P₂) (PMID: 31543504). MTMR4 knockdown markedly suppressed the motility, fusion, and fission of PI(3)P- enriched structures, resulting in decreases in late endosomes, autophagosomes, and lysosomes, and enlargement of PI(3)P- enriched early and late endosomes (PMID: 29962048).

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:

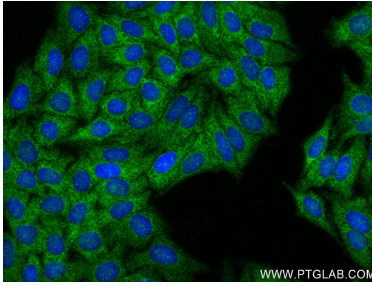
T: 4006900926

E: Proteintech-CN@ptglab.com

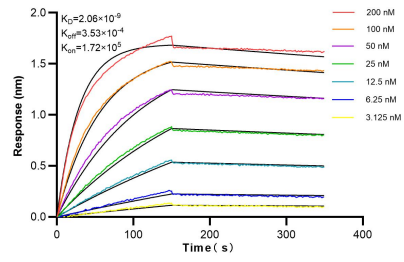
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using MTMR4 antibody (84328-1-RR, Clone: 241304E11) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84328-1-RR against Human MTMR4 were performed. The affinity constant is 2.06 nM.