

For Research Use Only

CoraLite® Plus 488-conjugated MTMR4 Recombinant antibody

Catalog Number:CL488-84328



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-84328	BC035609	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	9110	241304E11
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	Q9NYA4	IF/ICC 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima wavelengths:
IgG	myotubularin related protein 4	493 nm / 522 nm
Immunogen Catalog Number:	Calculated MW:	
AG4310	1195 aa, 133 kDa	
	Observed MW:	
	133 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	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).

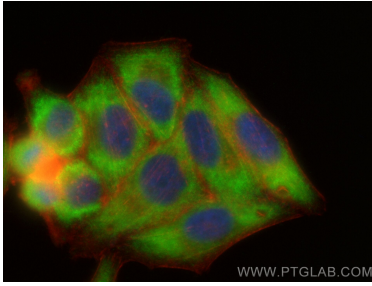
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 MTMR4 antibody (CL488-84328, Clone: 241304E11) at dilution of 1:200, CL594-Phalloidin (red).