

For Research Use Only

# MTMR9 Recombinant antibody

Catalog Number: 83694-4-RR



## Basic Information

Catalog Number:

83694-4-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34134

GenBank Accession Number:

BC022003

GeneID (NCBI):

66036

UNIPROT ID:

Q96QG7

Full Name:

myotubularin related protein 9

Calculated MW:

63 kDa

Observed MW:

~60 kDa

Purification Method:

Protein A purification

CloneNo.:

240167G7

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

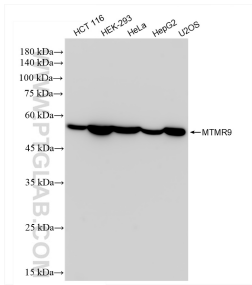
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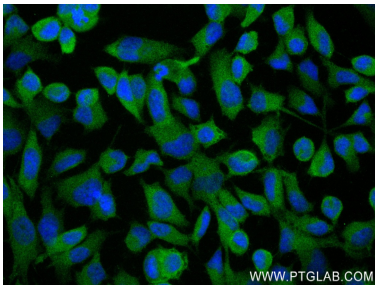
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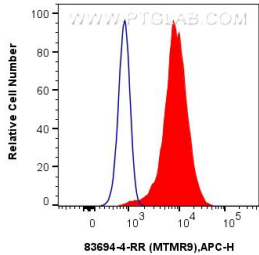
Selected Validation Data



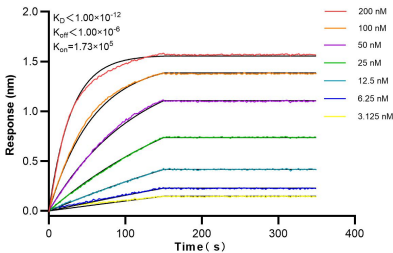
Various lysates were subjected to SDS PAGE followed by western blot with 83694-4-RR (MTMR9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug MTMR9 Recombinant antibody (83694-4-RR, Clone:240167G7) and APC-Conjugated AffiniPure 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.