

MTMR9 (C Terminus) Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2246a**Specification**

MTMR9 (C Terminus) Antibody (C-Term) - Product Information

Application	IHC, E
Primary Accession	Q96QG7
Other Accession	NP_056273.2 , 66036
Reactivity	Rat
Predicted	Human, Mouse, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	63462

MTMR9 (C Terminus) Antibody (C-Term) - Additional Information**Gene ID** 66036**Other Names**

Myotubularin-related protein 9, MTMR9, C8orf9, MTMR8

Dilution

IHC~~1:100~500

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MTMR9 (C Terminus) Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

MTMR9 (C Terminus) Antibody (C-Term) - Protein Information**Name** MTMR9**Synonyms** C8orf9, MTMR8**Function**

Acts as an adapter for myotubularin-related phosphatases (PubMed:<a

[19038970](http://www.uniprot.org/citations/19038970), PubMed:<[22647598](http://www.uniprot.org/citations/22647598)>). Increases lipid phosphatase MTMR6 catalytic activity, specifically towards phosphatidylinositol 3,5-bisphosphate and MTMR6 binding affinity for phosphorylated phosphatidylinositols (PubMed:<[19038970](http://www.uniprot.org/citations/19038970)>, PubMed:<[22647598](http://www.uniprot.org/citations/22647598)>). Positively regulates lipid phosphatase MTMR7 catalytic activity (By similarity). Increases MTMR8 catalytic activity towards phosphatidylinositol 3- phosphate (PubMed:<[22647598](http://www.uniprot.org/citations/22647598)>). The formation of the MTMR6-MTMR9 complex, stabilizes both MTMR6 and MTMR9 protein levels (PubMed:<[19038970](http://www.uniprot.org/citations/19038970)>). Stabilizes MTMR8 protein levels (PubMed:<[22647598](http://www.uniprot.org/citations/22647598)>). Plays a role in the late stages of macropinocytosis possibly by regulating MTMR6-mediated dephosphorylation of phosphatidylinositol 3-phosphate in membrane ruffles (PubMed:<[24591580](http://www.uniprot.org/citations/24591580)>). Negatively regulates autophagy, in part via its association with MTMR8 (PubMed:<[22647598](http://www.uniprot.org/citations/22647598)>). Negatively regulates DNA damage-induced apoptosis, in part via its association with MTMR6 (PubMed:<[19038970](http://www.uniprot.org/citations/19038970)>, PubMed:<[22647598](http://www.uniprot.org/citations/22647598)>). Does not bind mono-, di- and tri- phosphorylated phosphatidylinositols, phosphatidic acid and phosphatidylserine (PubMed:<[19038970](http://www.uniprot.org/citations/19038970)>).

Cellular Location

Cytoplasm. Cell projection, ruffle membrane {ECO:0000250|UniProtKB:Q9Z2D0}; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, perinuclear region Endoplasmic reticulum. Note=Localizes to ruffles during EGF-induced macropinocytosis (By similarity) Colocalizes with MTMR6 to the perinuclear region (PubMed:19038970) Partially localizes to the endoplasmic reticulum (PubMed:19038970) {ECO:0000250|UniProtKB:Q9Z2D0, ECO:0000269|PubMed:19038970}

Tissue Location

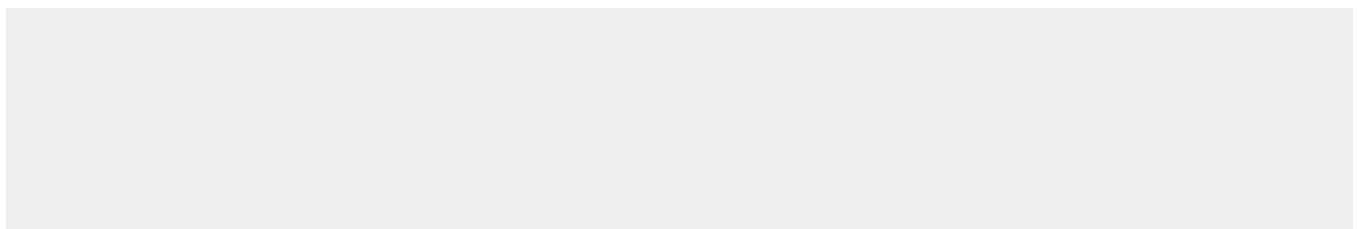
Expressed in many tissues.

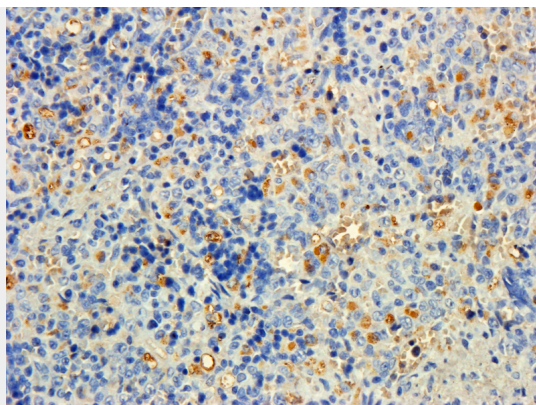
MTMR9 (C Terminus) Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

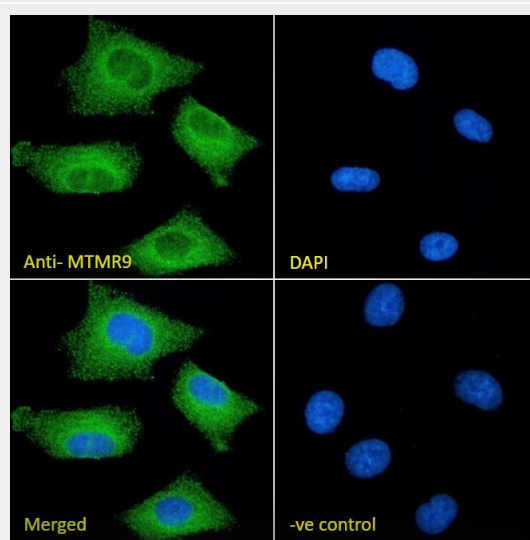
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MTMR9 (C Terminus) Antibody (C-Term) - Images

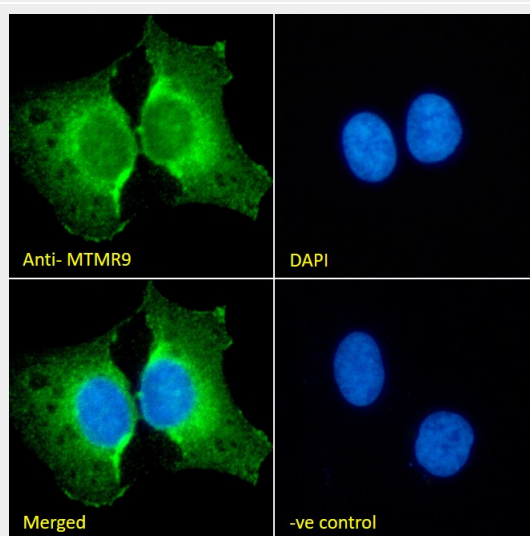




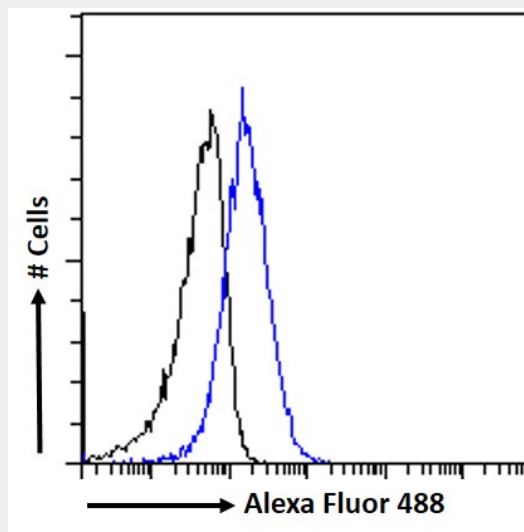
EB05189 (5ug/ml) staining of paraffin embedded Rat Spleen. Steamed antigen retrieval with citrate buffer pH 6, DAB-staining.



EB05189 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and Endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05189 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and Endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05189 Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

MTMR9 (C Terminus) Antibody (C-Term) - References

Identification and localization of a new human myotubularin-related protein gene, mtmr8, on 8p22-p23. Appel S, Reichwald K, Zimmermann W, Reis A, Rosenthal A, Hennies HC. Genomics. 2001 Jul;75(1-3):6-8. PMID: 11472061