Mouse MTMR14 Monoclonal Antibody | anti-MTMR14 antibody

MTMR14 antibody

CATALOG #	HOST	APPLICATIONS
AAA106637	**Mouse**	**Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

MTMR14; Monoclonal Antibody; MTMR14 antibody; Monoclonal MTMR14; Anti-MTMR14; Myotubularin Related Protein 14; C3orf29; FLJ22405; FLJ90311; hEDTP; MTMR 14; MTMR-14; anti-MTMR14 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	9G9
Purity/Purification	MTMR14 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	650
Applicable Applications for anti-MTMR14 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	This protein is a phosphoinositide phosphatase that specifically dephosphorylates phosphatidylinositol 3, 5-biphosphate and phosphatidylinositol 3-phosphate. Mutations in this gene are correlated with autosomal dominant centronuclear myopathy.
Cross-Reactivity	Human
Immunogen	MTMR14 antibody was raised in mouse using a full length recombinant protein of human MTMR14 (NP_001070993) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant MTMR14 protein using MTMR14 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant MTMR14 protein (Right) or empty vector (Left) detected with MTMR14 antibody

FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant MTMR14 protein (red) or empty vector (blue) stained using MTMR14 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-MTMR14 antibody	Mouse monoclonal MTMR14 antibody
Product Categories/Family for anti-MTMR14 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	117938270
NCBI GeneID	64419
NCBI Accession #	NP_001070993
NCBI GenBank Nucleotide #	NM_001077525.2
UniProt Accession #	Q8NCE2; Q0JTH5; Q0JU83; Q6PIZ4; Q6QE21; Q86VK9; Q8IYK1; Q8TCM7; Q9H6C0
Molecular Weight	60,035 Da
NCBI Official Full Name	myotubularin-related protein 14 isoform 2
NCBI Official Synonym Full Names	myotubularin related protein 14
NCBI Official Symbol	MTMR14
NCBI Official Synonym Symbols	C3orf29
NCBI Protein Information	myotubularin-related protein 14
UniProt Protein Name	Myotubularin-related protein 14
UniProt Gene Name	**MTMR14**
UniProt Synonym Gene Names	C3orf29; NS5ATP4ABP1
UniProt Entry Name	MTMRE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/mtmr14-antibody-clone-9g9-western-blot-immunofluorescence-flow-cytometry-elisa/106637