

Product datasheet for CF501712

OriGene Technologies, Inc.

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MTMR14 Mouse Monoclonal Antibody [Clone ID: OTI9G9]

Product data:

Product Type: Primary Antibodies

Clone Name: OTI9G9
Applications: FC, IF, WB

Recommended Dilution: WB 1:2000, IF 1:100, FLOW 1:100

Reactivity: Human, Mouse, Rat

Host: Mouse Isotype: IgG2b

Clonality: Monoclonal

Immunogen: Full length human recombinant protein of human MTMR14 (NP_001070993) produced in

HEK293T cell.

Formulation: Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)

Reconstitution Method: For reconstitution, we recommend adding 100uL distilled water to a final antibody

concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)

Purification: Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 72.0 kDa

Gene Name: myotubularin related protein 14

Database Link: NP 001070993

Entrez Gene 97287 MouseEntrez Gene 312634 RatEntrez Gene 64419 Human

Q8NCE2



MTMR14 Mouse Monoclonal Antibody [Clone ID: OTI9G9] - CF501712

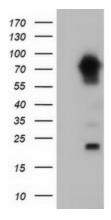
Background: This gene encodes a myotubularin-related protein. The encoded protein is a

phosphoinositide phosphatase that specifically dephosphorylates phosphatidylinositol 3,5-biphosphate and phosphatidylinositol 3-phosphate. Mutations in this gene are correlated with autosomal dominant centronuclear myopathy. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 18.

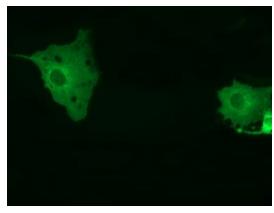
Synonyms: C3orf29

Protein Families: Druggable Genome, Phosphatase, Secreted Protein

Product images:

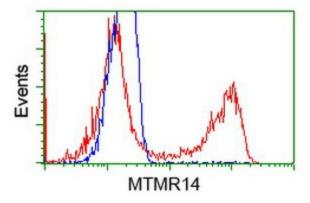


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MTMR14 ([RC207732], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MTMR14. Positive lysates [LY421457] (100ug) and [LC421457] (20ug) can be purchased separately from OriGene.



Anti-MTMR14 mouse monoclonal antibody ([TA501712]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MTMR14 ([RC207732]).





HEK293T cells transfected with either [RC207732] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MTMR14 antibody ([TA501712]), and then analyzed by flow cytometry.