

Product datasheet for **CF502140**

MTMR2 Mouse Monoclonal Antibody [Clone ID: OTI2D2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D2
Applications:	FC, WB
Recommended Dilution:	WB 1:2000, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MTMR2 (NP_057240) 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:	73.2 kDa
Gene Name:	myotubularin related protein 2
Database Link:	NP_057240 Entrez Gene 315422 Rat Entrez Gene 8898 Human Q13614



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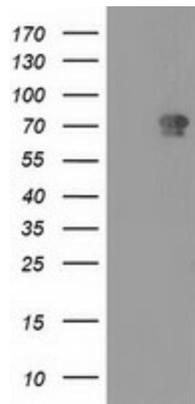
Background: This gene is a member of the myotubularin family of phosphoinositide lipid phosphatases. The encoded protein possesses phosphatase activity towards phosphatidylinositol-3-phosphate and phosphatidylinositol-3,5-bisphosphate. Mutations in this gene are a cause of Charcot-Marie-Tooth disease type 4B, an autosomal recessive demyelinating neuropathy. Alternatively spliced transcript variants encoding multiple isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Synonyms: CMT4B; CMT4B1

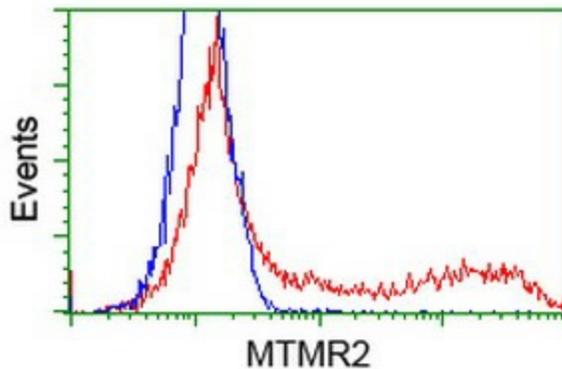
Protein Families: Druggable Genome, Phosphatase

Protein Pathways: Fructose and mannose metabolism, Metabolic pathways, Riboflavin metabolism, Thiamine metabolism

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MTMR2 ([RC208703], 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-MTMR2. Positive lysates [LY414151] (100ug) and [LC414151] (20ug) can be purchased separately from OriGene.



HEK293T cells transfected with either [RC208703] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MTMR2 antibody ([TA502140]), and then analyzed by flow cytometry.