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# MTMR2 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant MTMR2.
Catalog # AT2932a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q13614 |
| **Other Accession** | NM_016156 |
| **Reactivity** | Human, Rat |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2a Kappa |
| **Clone Names** | 4G6 |
| **Calculated MW** | 73381 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 8898 |
| **Other Names** | Myotubularin-related protein 2, Phosphatidylinositol-3, 5-bisphosphate 3-phosphatase, Phosphatidylinositol-3-phosphate phosphatase, MTMR2, KIAA1073 |
| **Target/Specificity** | MTMR2 (NP_057240, 5 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Dilution** | WB~~1:500~1000 E~~N/A |
| **Format** | Clear, colorless solution in phosphate buffered saline, pH 7.2 . |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Precautions** | MTMR2 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Background

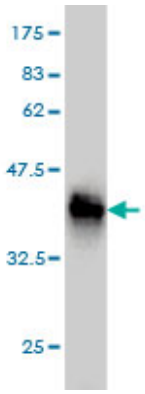
This gene is a member of the myotubularin family. The encoded protein possesses phosphatase activity towards phosphatidylinositol-3-phosphate and phosphatidylinositol-3,5-bisphosphate. Mutations in this gene are a cause of Charcot-Marie-Tooth disease type 4B, an autosomal recessive demyelinating neuropathy. Multiple alternatively spliced transcript variants have been found for this gene.

## References

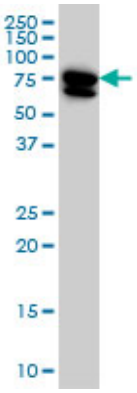
1.Dlg1, Sec8, and Mtmr2 Regulate Membrane Homeostasis in Schwann Cell Myelination.Bolis A, Coviello S,

Visigalli I, Taveggia C, Bachi A, Chishti AH, Hanada T, Quattrini A, Previtali SC, Biffi A, Bolino A.J Neurosci. 2009 Jul 8;29(27):8858-70.

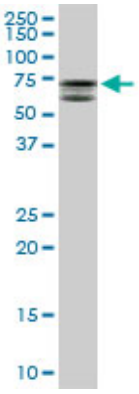
## Images



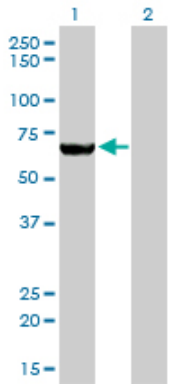

Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.3 KDa) .




MTMR2 monoclonal antibody (M03), clone 4G6 Western Blot analysis of MTMR2 expression in HeLa ( (Cat # AT2932a )



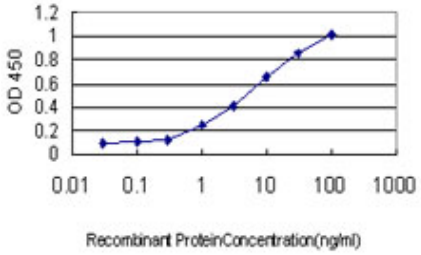

MTMR2 monoclonal antibody (M03), clone 4G6. Western Blot analysis of MTMR2 expression in PC-12 ( (Cat # AT2932a )




Western Blot analysis of MTMR2 expression in transfected 293T cell line by MTMR2 monoclonal antibody (M03), clone 4G6.

Lane 1: MTMR2 transfected lysate(66 KDa).
Lane 2: Non-transfected lysate.

Detection limit for recombinant GST tagged MTMR2 is approximately 0.3ng/ml as a capture antibody.




Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.