

For Research Use Only

# CoraLite® Plus 488-conjugated MTMR2 Monoclonal antibody



Catalog Number: CL488-67312

Featured Product

## Basic Information

Catalog Number:

CL488-67312

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG28413

GenBank Accession Number:

BC052990

GeneID (NCBI):

8898

UNIPROT ID:

Q13614

Full Name:

myotubularin related protein 2

Calculated MW:

73 kDa

Observed MW:

66-73 kDa

Purification Method:

Protein A purification

CloneNo.:

1B11B7

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

Species Specificity:

Human

## Background Information

MTMR2(myotubularin-related protein 2) is also named as KIAA1073 and belongs to the non-receptor class myotubularin subfamily, which is characterized by the presence of a phosphatase domain. It may regulate vesicular trafficking in Schwann cells (PMID:17880751) and its reversible phosphorylation represents a critical mechanism for regulating the subcellular localization of MTMR2(PMID:21372139). MTMR2 is a 73 kDa protein in its monomeric form and exist as a dimer within cells and the protein re-localizes to membranes in hypo-osmotic settings(PMID:16399794). Defects in MTMR2 are the cause of Charcot-Marie-Tooth disease type 4B1 (CMT4B1). MTMR2 has two isoforms with the molecular mass of 73 and 66 kDa.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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## Selected Validation Data