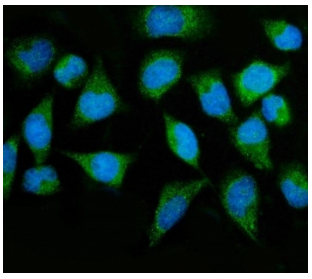
MTMR2 Antibody (RQ6662)

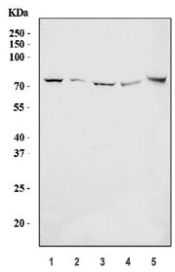
Catalog No.	Formulation	Size
RQ6662	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

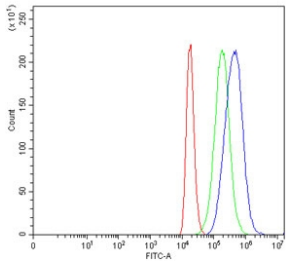
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13614
Applications	Western blot: 1-2ug/ml Immunofluorescence (FFPE): 5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This MTMR2 antibody is available for research use only.



Immunofluorescent staining of FFPE human HeLa cells with MTMR2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human Caco-2, 3) human HL60, 4) rat testis and 5) mouse testis tissue lysate with MTMR2 antibody. Predicted molecular weight ~73 kDa.



Flow cytometry testing of human 293T cells with MTMR2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MTMR2 antibody.

Description

Myotubularin-related protein 2 also known as phosphatidylinositol-3,5-bisphosphate 3-phosphatase or phosphatidylinositol-3-phosphate phosphatase is a protein that in humans is encoded by the MTMR2 gene. 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.

Application Notes

Optimal dilution of the MTMR2 antibody should be determined by the researcher.

Immunogen

Amino acids NLRFAHKPEGRTRRSIFENLMK from the human protein were used as the immunogen for the MTMR2 antibody.

Storage

After reconstitution, the MTMR2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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