

Anti-MTM1 Antibody

Catalog Number: A00749-2

About MTM1

The MTM1(Myotubularin) gene encodes a protein that belongs to a family of putative tyrosine phosphatases. It is required for muscle cell differentiation. The protein is also a potent phosphatidylinositol 3-phosphate (PI3P) phosphatase, which is a 66 kDa ubiquitous protein that is found mutated in the X-linked genetic disorder myotubular myopathy(XLMTM).MTM1 could therefore act as a regulator of the highly active phosphoinositide (PI) metabolism in cells, where interconversions of the eight PIs described so far is controlled by a set of specific kinases and phosphatases(PMID:14660569). MTM1 has two isoforms with the molecular mass of 66kDa and 70 kDa.

Overview

Product Name	Anti-MTM1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MTM1 Antibody catalog # A00749-2. Tested in WB, IHC, ICC/IF, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q13496

Technical Details

Immunogen	E.coli-derived human MTM1 recombinant protein (Position: S3-Q359).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 Immunocytochemistry/Immunofluorescence, 1:50-400

ELISA, 1:100-1000

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Anti-MTM1 Antibody

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