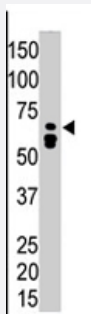


MTM1 polyclonal antibody

Catalog # PAB4507

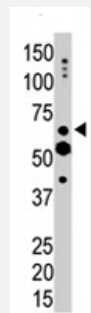
Size 400 uL

Applications



Western Blot (Tissue lysate)

The MTM1 polyclonal antibody (Cat # PAB4507) is used in Western blot to detect MTM1 in mouse heart tissue lysate .



Western Blot (Cell lysate)

The MTM1 polyclonal antibody (Cat # PAB4507) is used in Western blot to detect MTM1 in NCI-H460 cell lysate .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MTM1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human MTM1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

The MTM1 polyclonal antibody (Cat # PAB4507) is used in Western blot to detect MTM1 in mouse heart tissue lysate .

- Western Blot (Cell lysate)

The MTM1 polyclonal antibody (Cat # PAB4507) is used in Western blot to detect MTM1 in NCI-H460 cell lysate .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MTM1

Entrez GeneID	4534
Protein Accession#	NP_000243:Q13496
Gene Name	MTM1
Gene Alias	CNM, MTMX, XLMTM
Gene Description	myotubularin 1
Omim ID	300415 310400
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a dual-specificity phosphatase that acts on both phosphotyrosine and phosphoserine. It is required for muscle cell differentiation and mutations in this gene have been identified as being responsible for X-linked myotubular myopathy. [provided by RefSeq]
Other Designations	myotubularin

Publication Reference

- [Identification of myotubularin as the lipid phosphatase catalytic subunit associated with the 3-phosphatase adapter protein, 3-PAP.](#)

Nandurkar HH, Layton M, Laporte J, Selan C, Corcoran L, Caldwell KK, Mochizuki Y, Majerus PW, Mitchell CA.

PNAS 2003 Jul; 100(15):8660.

- [PTEN and myotubularin phosphatases: from 3-phosphoinositide dephosphorylation to disease.](#)

Wishart MJ, Dixon JE.

Trends in Cell Biology 2002 Dec; 12(12):579.

- [Characterisation of mutations in 77 patients with X-linked myotubular myopathy, including a family with a very mild phenotype.](#)

Biancalana V, Caron O, Gallati S, Baas F, Kress W, Novelli G, D'Apice MR, Lagier-Tourenne C, Buj-Bello A, Romero NB, Mandel JL.

Human Genetics 2002 Nov; 112(2):135.

Disease

- [Colorectal Neoplasms](#)
- [Microsatellite Instability](#)
- [Stomach Neoplasms](#)