

Rabbit M PLM Polyclonal Antibody | anti-M PLM antibody

M PLM Antibody (N-term)

CATALOG # AAA290937	HOST Rabbit	REACTIVITY MousePredicted: Rat	APPLICATIONS ELISA, Western Blot
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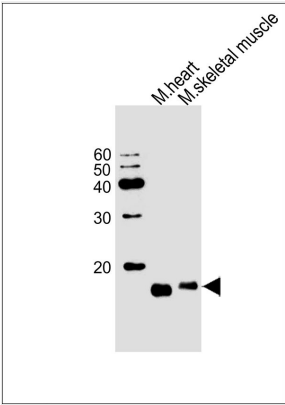
PRODUCT SYNONYMS

M PLM; Polyclonal Antibody; M PLM Antibody (N-term); Phospholemman [Precursor]; FXYP domain-containing ion transport regulator 1; Fxyd1; Plm; anti-M PLM antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse Predicted: Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This Mouse PLM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of mouse PLM.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	95
Applicable Applications for anti-M PLM antibody	ELISA, WB (Western Blot)
Antigen Source	Mouse
Antigen Type	Synthetic Peptide
Function	Associates with and regulates the activity of the sodium/potassium-transporting ATPase (NKA) which transports Na(+) out of the cell and K(+) into the cell (PubMed:). Inhibits NKA activity in its unphosphorylated state and stimulates activity when phosphorylated (By similarity). Reduces glutathionylation of the NKA beta-1 subunit ATP1B1, thus reversing glutathionylation-mediated inhibition of ATP1B1 (PubMed:). Contributes to female sexual development by maintaining the excitability of neurons which secrete gonadotropin-releasing hormone (PubMed:).
Cellular Location	Cell membrane, sarcolemma [ECO:0000250 UniProtKB:P56513]; Single-pass type I membrane protein. Apical cell membrane [ECO:0000250 UniProtKB:O08589]; Single-pass type I membrane protein. Membrane, caveola [ECO:0000250 UniProtKB:O08589]. Cell membrane, sarcolemma, T-tubule [ECO:0000250 UniProtKB:O08589]. Note=Detected in the apical cell membrane in brain. In myocytes, localizes to sarcolemma, T-tubules and intercalated disks. [ECO:0000250 UniProtKB:O08589]
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of lysates from mouse heart,mouse skeletal muscle cell line (from left to right), using PLM Antibody (E1). It was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.Lysates at 20ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-M PLM antibody	Description: Purified Rabbit Polyclonal Antibody (Pab) Background: This gene encodes a member of the FXYD family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXYD and containing 7 invariant and 6 highly conserved amino acids. The protein encoded by this gene is a plasma membrane substrate for several kinases, including protein kinase A, protein kinase C, NIMA kinase, and myotonic dystrophy kinase. It is thought to form an ion channel or regulate ion channel activity and act as an accessory protein of Na,K-ATPase. Alternative splicing of this gene results in multiple transcript variants which encode the same protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	259490450
NCBI GeneID	56188
NCBI Accession #	NP_062376.2; NP_443717.1; NP_443718.1; NP_919302.1
NCBI GenBank Nucleotide #	NP_062376.2
UniProt Accession #	Q9Z239; O08589
Molecular Weight	Calculated MW: H=10; M=10; R=10 kDa
NCBI Official Full Name	phospholemman isoform a
NCBI Official Synonym Full Names	FXYD domain-containing ion transport regulator 1
NCBI Official Symbol	Fxyd1
NCBI Official Synonym Symbols	Plm; Pml; 0610012C17Rik; 1110006M24Rik
NCBI Protein Information	phospholemman
UniProt Protein Name	Phospholemman
UniProt Gene Name	Fxyd1
UniProt Synonym Gene Names	Plm
UniProt Entry Name	PLM_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/m-plm-antibody-western-blot-elisa/290937>