

Datasheet for ABIN6146436
anti-PTPMT1 antibody (AA 1-201)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	PTPMT1
Binding Specificity:	AA 1-201
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPMT1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-201 of human PTPMT1 (NP_783859.1).
Sequence:	MAATALLEAG LARVLFYPTL LYTLFRGKVP GRAHRDWYHR IDPTVLLGAL PLRSLTRQLV QDENVRGVIT MNEEYETRFL CNSSQEWKRL GVEQLRLSTV DMTGIPTLDN LQKGVQFALK YQSLGQCVYV HCKAGRSRSA TMVAAYLIQV HKWSPEEAVR AIAKIRSYIH IRPGQLDVLK EFHKQITARA TKDGTFFISK T
Isotype:	IgG
Cross-Reactivity:	Mouse
Characteristics:	Polyclonal Antibodies

Target Details

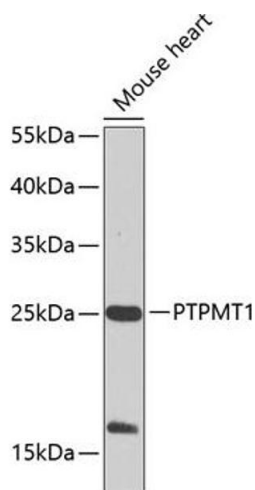
Target:	PTPMT1
Alternative Name:	PTPMT1 (PTPMT1 Products)
Background:	Lipid phosphatase which dephosphorylates phosphatidylglycerophosphate (PGP to phosphatidylglycerol (PG (By similarity. PGP is an essential intermediate in the biosynthetic pathway of cardiolipin, a mitochondrial-specific phospholipid regulating the membrane integrity and activities of the organelle (By similarity. Has also been shown to display phosphatase activity toward phosphoprotein substrates, specifically mediates dephosphorylation of mitochondrial proteins, thereby playing an essential role in ATP production (By similarity. Has probably a preference for proteins phosphorylated on Ser and/or Thr residues compared to proteins phosphorylated on Tyr residues (By similarity. Probably involved in regulation of insulin secretion in pancreatic beta cells (By similarity. May prevent intrinsic apoptosis, probably by regulating mitochondrial membrane integrity.,PTPMT1,DUSP23,MOSP,PLIP,PNAS-129,Signal Transduction,PTPMT1
Molecular Weight:	15 kDa/16 kDa/22 kDa
Gene ID:	114971
UniProt:	Q8WUK0
Pathways:	Inositol Metabolic Process

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of mouse heart, using PTPMT1 Antibody (ABIN6128516, ABIN6146436, ABIN6146437 and ABIN6224703) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.