

**PTPMT1 polyclonal antibody**

Catalog: BS79126

Host: Rabbit

Reactivity: Mouse

**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.

**Product:**

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

23kDa

**Swiss-Prot:**

Q8WUK0

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

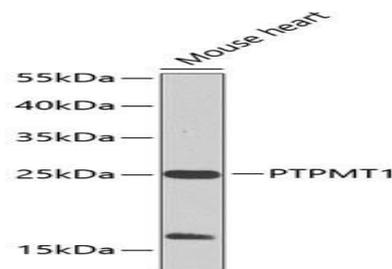
WB,1:500 - 1:2000

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Modification:**

Unmodification

**DATA:**

Western blot analysis of extracts of mouse heart, using PTPMT1 Antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 20s.

**Note:**

For research use only, not for use in diagnostic procedure.

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