

Datasheet for ABIN7163151  
**anti-PTPMT1 antibody (AA 28-201)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	PTPMT1
Binding Specificity:	AA 28-201
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPMT1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Phosphatidylglycerophosphatase and protein-tyrosine phosphatase 1 protein (28-201AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

## Target Details

Target:	PTPMT1
Alternative Name:	PTPMT1 ( <a href="#">PTPMT1 Products</a> )
Background:	Background: Lipid phosphatase which dephosphorylates phosphatidylglycerophosphate (PGP)

## Target Details

to phosphatidylglycerol (PG). PGP is an essential intermediate in the biosynthetic pathway of cardiolipin, a mitochondrial-specific phospholipid regulating the membrane integrity and activities of the organelle. 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. Has probably a preference for proteins phosphorylated on Ser and/or Thr residues compared to proteins phosphorylated on Tyr residues. Probably involved in regulation of insulin secretion in pancreatic beta cells.

Aliases: DUSP23 antibody, FLJ46081 antibody, MOSP antibody, NB4 apoptosis/differentiation related protein antibody, Phosphatidylglycerophosphatase and protein-tyrosine phosphatase 1 antibody, Phosphoinositide lipid phosphatase antibody, PLIP antibody, PNAS 129 antibody, protein tyrosine phosphatase mitochondrial 1 antibody, Protein-tyrosine phosphatase mitochondrial 1 antibody, pten like phosphatase antibody, PTEN-like phosphatase antibody, PTPM1\_HUMAN antibody, Ptpmt1 antibody

UniProt: [Q8WUK0](#)

Pathways: [Inositol Metabolic Process](#)

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:1000-1:2000,

Restrictions: For Research Use only

## Handling

Format: Liquid

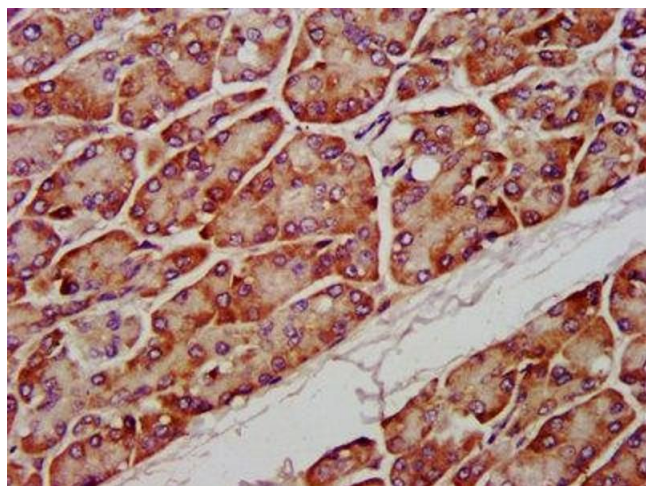
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

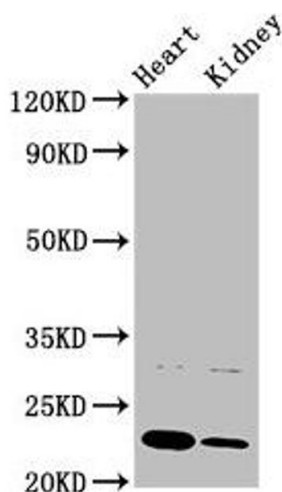
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Immunohistochemistry

**Image 1.** IHC image of ABIN7163151 diluted at 1:1200 and staining in paraffin-embedded human pancreatic tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Rat heart tissue, Rat kidney tissue All lanes: PTPMT1 antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 23, 16, 17 kDa Observed band size: 23 kDa