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Datasheet for ABIN709723

**anti-PTPMT1 antibody (AA 101-201) (Biotin)**

## Overview

Quantity:	100 µL
Target:	PTPMT1
Binding Specificity:	AA 101-201
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPMT1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PTPMT1
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

## Target Details

Target:	PTPMT1
Alternative Name:	Ptpmt1 ( <a href="#">PTPMT1 Products</a> )

## Target Details

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

Background: This protein phosphatase specifically mediates the dephosphorylation of mitochondrial proteins and consequently plays a central role in ATP production. It probably has a preference for proteins phosphorylated on Ser and/or Thr residues compared to phosphorylation on Tyr residues. It is likely to be involved in the regulation of insulin secretion in pancreatic beta cells.

Gene ID: 399671

Pathways: [Inositol Metabolic Process](#)

## Application Details

Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months