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Datasheet for ABIN7163152

anti-PTPMT1 antibody (AA 28-201) (Biotin)

Overview

Quantity:	100 µg
Target:	PTPMT1
Binding Specificity:	AA 28-201
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPMT1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

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

Target Details

Target:	PTPMT1
Alternative Name:	PTPMT1 (PTPMT1 Products)
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: Optimal working dilution should be determined by the investigator.

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.