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Datasheet for ABIN912546

anti-PTPMT1 antibody (AA 101-201) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	PTPMT1
Binding Specificity:	AA 101-201
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPMT1 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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 (PTPMT1 Products)

Target Details

Background:	<p>Synonyms: DUSP23, FLJ46081, MOSP, NB4 apoptosis/differentiation 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.</p> <p>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.</p>
Gene ID:	399671
Pathways:	Inositol Metabolic Process

Application Details

Application Notes:	<p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
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. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months