

Datasheet for ABIN709724

## anti-PTPMT1 antibody (AA 101-201) (Cy3)



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### Overview

Quantity:	100 µL
Target:	PTPMT1
Binding Specificity:	AA 101-201
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPMT1 antibody is conjugated to Cy3
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 ( <a href="#">PTPMT1 Products</a> )

## Target Details

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**Background:** 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.

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.

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**Gene ID:** 399671

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**Pathways:** [Inositol Metabolic Process](#)

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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

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**Preservative:** ProClin

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

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**Storage:** -20 °C

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**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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**Expiry Date:** 12 months