

## PTPMT1 antibody

### Product Information

Catalog No.:	FNab06931
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

Lipid phosphatase which dephosphorylates phosphatidylglycerophosphate(PGP) 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(By similarity).

### Immunogen information

Immunogen:	protein tyrosine phosphatase, mitochondrial 1
Synonyms:	Phosphatidylglycerophosphatase and protein-tyrosine phosphatase 1 PTEN-like phosphatase Phosphoinositide lipid phosphatase Protein-tyrosine phosphatase mitochondrial 1 PTPMT1 MOSP PLIP
Observed MW:	21-23 kDa
Uniprot ID :	Q8WUK0

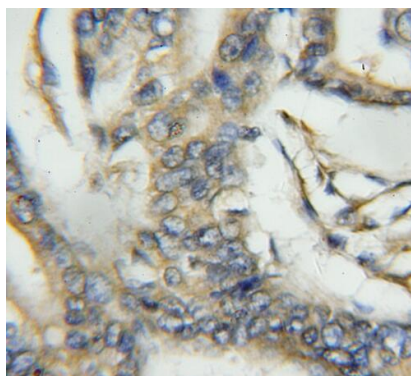
### Application

Reactivity:	Human, Mouse, Rat
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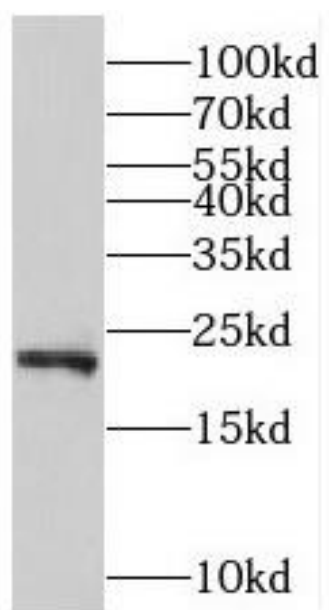
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:200-1:1000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human pancreas cancer using FNab06931(PTPMT1 antibody) at dilution of 1:50



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with FNab06931(PTPMT1 antibody) at dilution of 1:300