

PTPMT1 Polyclonal Antibody

Catalog number: 11493-1-AP

Size: 34 µg/150 µl

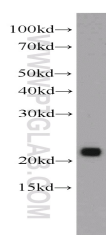
Source: Rabbit

Isotype: IgG

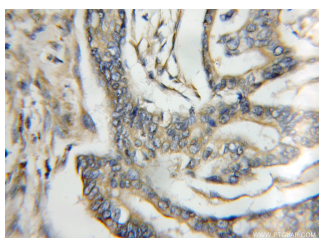
Synonyms:

PTPMT1; DUSP23; FLJ46081;

MOSP; PLIP; PNAS-129



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 11493-1-AP(PTPMT1 Antibody) at dilution of 1:400



Immunohistochemistry of paraffin-embedded human pancreas cancer using 11493-1-AP(PTPMT1 Antibody) at Dilution 1:50 (under 10x lens)

Background

PTPMT1, also named as MOSP and PLIP, is a Lipid phosphatase which dephosphorylates phosphatidylglycerophosphate (PGP) to phosphatidylglycerol (PG). PTPMT1 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. It is a mitochondrial Pten-like phosphatidylinositol phosphate (PIP) phosphatase, resulted in developmental arrest and postimplantation lethality.

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IF, WB
Species specificity:	Human, mouse, rat; other species not tested.
Cited species:	Mouse
Positive WB detected in:	Mouse pancreas tissue
Calculated PTPMT1 MW:	201aa, 23kd
Observed PTPMT1 MW:	21-23kd
Positive IHC detected in:	Human pancreas cancer
Recommended dilution:	WB: 1:200-1:1000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation, FC = Flow cytometry

Immunogen information

Immunogen:	Ag2063
GenBank accession number:	BC020242
Gene ID (NCBI):	114971
Full name:	Protein tyrosine phosphatase, mitochondrial 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.