

PTPMT1 Antibody

Catalog No: #40065

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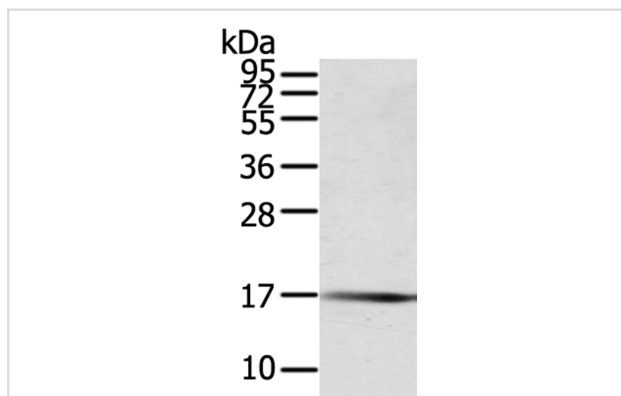
Description

Product Name	PTPMT1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total PTPMT1 protein.
Immunogen Type	Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human protein tyrosine phosphatase, mitochondrial 1
Target Name	PTPMT1
Other Names	MOSP; PLIP; DUSP23; PNAS-129
Accession No.	Swiss-Prot:Q8WUK0Gene Accssion:BC020242
Uniprot	Q8WUK0
GeneID	114971;
SDS-PAGE MW	23KD
Concentration	1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:200-1:1000

Images



Gel: 12%SDS-PAGE

Lysate: 40ug Human fetal muscle tissue
Primary antibody: 1/200 dilution

Secondary antibody dilution: 1/8000

Exposure time: 1 minute

Background

PTPMT1 (protein tyrosine phosphatase mitochondrial 1), also known as MOSP or PLIP (phosphoinositide lipid phosphatase) and previously known as

DUSP23, is a widely expressed PTP membrane protein with high expression levels in pancreatic cells. PTPMT1 exclusively localizes to the matrix face of the inner membrane of the mitochondrion. It is responsible for dephosphorylating mitochondrial proteins and therefore plays a significant role in the production of ATP and secretion of insulin.

Note: This product is for in vitro research use only