

PTPMT1 Conjugated Antibody

Catalog No: #C40065

Package Size: #C40065-AF350 100ul #C40065-AF405 100ul #C40065-AF488 100ul

#C40065-AF555 100ul #C40065-AF594 100ul #C40065-AF647 100ul

#C40065-AF680 100ul #C40065-AF750 100ul #C40065-Biotin 100ul

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Description

Product Name	PTPMT1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total PTPMT1 protein.
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human protein tyrosine phosphatase, mitochondrial 1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	MOSP; PLIP; DUSP23; PNAS-129
Accession No.	Swiss-Prot#:Q8WUK0NCBI Gene ID:114971NCBI mRNA#:NCBI Protein#:BC020242
Uniprot	Q8WUK0
GeneID	114971;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	23
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

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