

Anti-PTPMT1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 21 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (PTPMT1) Polyclonal Antibody, Unconjugated (TMAB-11920) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human PTPMT1
Antigen Species:	Human
Gene ID:	114971
Uniprot ID:	Q8WUK0

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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