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Rabbit Anti-GMPPB antibody

SL13461R

Product Name:	GMPPB
Chinese Name:	GDP甘露糖焦磷酸化酶B抗体
Alias:	GDP mannose pyrophosphorylase B; GDP-mannose pyrophosphorylase B; GMPPB; GMPPB_HUMAN; GTP-mannose-1-phosphate guanylyltransferase beta; KIAA1851; Mannose 1 phosphate guanylyltransferase; Mannose-1-phosphate guanyltransferase beta.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	40kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GMPPB:111-210/360
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	GMPPB is a 360 amino acid protein that belongs to the transferase hexapeptide repeat family and is involved in protein modification pathways. Functioning as a GDP-mannose pyrophosphorylase, GMPPB enzymatically catalyzes the conversion of mannose-1-phosphate and GTP to GDP-mannose and a free phosphate, a reaction that is

	involved in the production of N-linked oligosaccharides. Defects in the gene encoding GMPPB that cause errors in the glycosylation pathway may lead to congenital disorders of glycosylation (CDG). CDGs are multisystemic diseases that often involve both the central and peripheral nervous systems and are often characterized by endocrine and coagulation disorders. GMPPB is expressed as two isoforms due to alternative splicing events. **Subcellular Location:** Belongs to the transferase hexapeptide repeat family. **Similarity:** Belongs to the transferase hexapeptide repeat family. **SWISS:** Q9Y5P6 **Gene ID:** 29925 **Database links:** Entrez Gene: 29925Human Entrez Gene: 331026Mouse Entrez Gene: 363145Rat SwissProt: Q9Y5P6Human SwissProt: Q8BTZ7Mouse Unigene: 567488Human Unigene: 22554Mouse Unigene: 102187Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.