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GMPPB Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22043c

Product Information

Application	WB, E
Primary Accession	Q9Y5P6
Other Accession	Q8BTZ7, P0C5I2
Reactivity	Human, Mouse
Predicted	Pig, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55062
Calculated MW	39834

Additional Information

Gene ID	29925
Other Names	Mannose-1-phosphate guanyltransferase beta, 2.7.7.13, GDP-mannose pyrophosphorylase B, GTP-mannose-1-phosphate guanylyltransferase beta, GMPPB
Target/Specificity	This GMPPB antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 129-162 amino acids from the Central region of human GMPPB.
Dilution	WB~~1:4000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GMPPB Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GMPPB (HGNC:22932)
Function	Catalytic subunit of the GMPPA-GMPPB mannose-1-phosphate guanylyltransferase complex (PubMed:33986552). Catalyzes the formation of

GDP-mannose, an essential precursor of glycan moieties of glycoproteins and glycolipids (PubMed:33986552). Can catalyze the reverse reaction in vitro (PubMed:33986552). Together with GMPPA regulates GDP-alpha-D-mannose levels (PubMed:33986552).

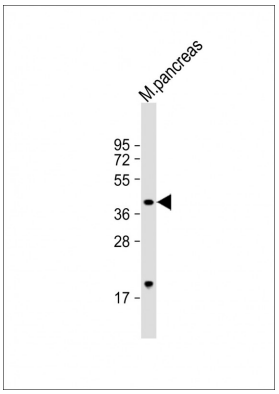
Cellular Location Cytoplasm.

Tissue Location [Isoform 1]: Ubiquitously expressed, including in brain and skeletal muscle.

References

Matthijs G.,et al.Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).
Van Damme P.,et al.Proc. Natl. Acad. Sci. U.S.A. 109:12449-12454(2012).

Images



Anti-GMPPB Antibody (Center) at 1:4000 dilution + mouse pancreas lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 40 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.