

GMPPB Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22043c**Specification**

GMPPB Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q9Y5P6
Other Accession	Q8BTZ7 , P0C5I2
Reactivity	Mouse
Predicted	Pig
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	39834

GMPPB Antibody (Center) - Additional Information**Gene ID** 29925**Other Names**

Mannose-1-phosphate guanyltransferase beta, 2.7.7.13, GDP-mannose pyrophosphorylase B, GTP-mannose-1-phosphate guanyltransferase 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.

GMPPB Antibody (Center) - 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

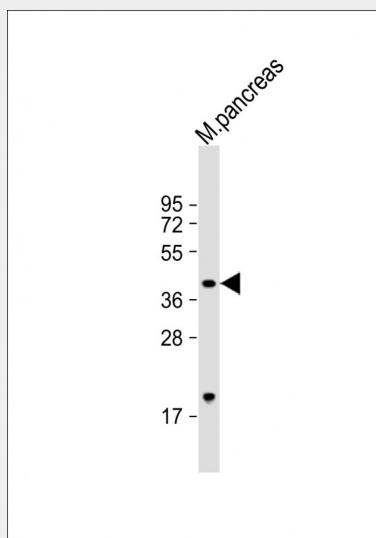
[Isoform 1]: Ubiquitously expressed, including in brain and skeletal muscle.

GMPPB Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GMPPB Antibody (Center) - 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% NFD/MTBST.

GMPPB Antibody (Center) - 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).