

**GMPPA Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55167****Specification**

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**GMPPA Polyclonal Antibody - Product Information**

Application	<b>WB, IHC-P, IHC-F, IF, ICC, E</b>
Primary Accession	<a href="#">O96IJ6</a>
Reactivity	<b>Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>46291</b>

**GMPPA Polyclonal Antibody - Additional Information****Gene ID** 29926**Other Names**

Mannose-1-phosphate guanyltransferase alpha, GDP-mannose pyrophosphorylase A, GMPP-alpha, GTP-mannose-1-phosphate guanylyltransferase alpha, GMPPA

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

**GMPPA Polyclonal Antibody - Protein Information****Name** GMPPA ([HGNC:22923](#))**Function**

Regulatory subunit of the GMPPA-GMPPB mannose-1-phosphate guanylyltransferase complex; reduces the catalytic activity of GMPPB when part of the complex (PubMed:<a href="http://www.uniprot.org/citations/24035193" target="\_blank">24035193</a>, PubMed:<a href="http://www.uniprot.org/citations/33986552" target="\_blank">33986552</a>). Mediates allosteric feedback inhibition of GMPPB catalytic activity upon binding GDP-alpha-D-mannose (PubMed:<a href="http://www.uniprot.org/citations/24035193" target="\_blank">24035193</a>, PubMed:<a href="http://www.uniprot.org/citations/33986552" target="\_blank">33986552</a>). Together with GMPPB regulates GDP-alpha-D-mannose levels (PubMed:<a href="http://www.uniprot.org/citations/33986552" target="\_blank">33986552</a>).

**Cellular Location**

Cytoplasm. Note=Myc-tagged GMPPA shows a diffuse cytoplasmic and nuclear pattern in transfected COS-7 cells

**Tissue Location**

Expressed in fibroblasts (at protein level).

### **GMPPA Polyclonal Antibody - 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](#)

### **GMPPA Polyclonal Antibody - Images**