10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GMPPA antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12996

Product Information

Application	WB
Primary Accession	Q96IJ6
Other Accession	NM_205847, NP_995319
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46291

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	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-GMPPA antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	GMPPA antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

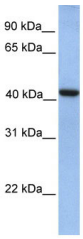
Name	GMPPA (HGNC:22923)
Function	Regulatory subunit of the GMPPA-GMPPB mannose-1-phosphate guanylyltransferase complex; reduces the catalytic activity of GMPPB when part of the complex (PubMed:24035193, PubMed:33986552). Mediates allosteric feedback inhibition of GMPPB catalytic activity upon binding GDP-alpha-D-mannose (PubMed:24035193, PubMed:33986552). Together with GMPPB regulates GDP-alpha-D-mannose levels (PubMed:33986552).
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).

References

Matthijs G.,et al.Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



WB Suggested Anti-GMPPA Antibody Titration: 0.2-1 µg/ml
Positive Control: Human Lung

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