

GMPPA antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12996**Specification**

GMPPA antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O96IJ6
Other Accession	NM_205847 , NP_995319
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46kDa kDa

GMPPA antibody - N-terminal region - Additional Information

Gene ID 29926

Other Names

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

GMPPA antibody - N-terminal region - Protein Information

Name GMPPA ([HGNC:22923](#))

Function

Regulatory subunit of the GMPPA-GMPPB mannose-1-phosphate guanyltransferase 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

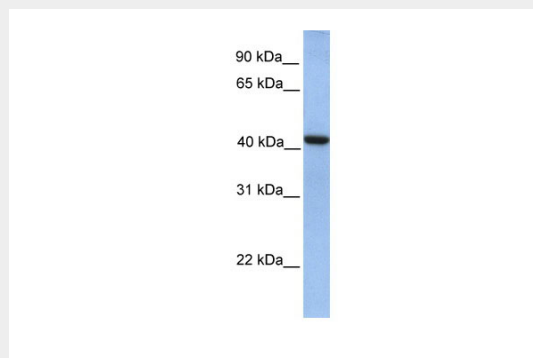
Expressed in fibroblasts (at protein level).

GMPPA antibody - N-terminal region - 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 antibody - N-terminal region - Images



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

GMPPA antibody - N-terminal region - 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.