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GMPPA Rabbit pAb

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Catalog # AP55167

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q96IJ6
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46291
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GMPPA
Epitope Specificity	321-420/420
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	GMPPA is a GDP-mannose pyrophosphorylase which catalyzes the conversion of mannose-1-phosphate and GTP to GDP-mannose, in the production of N-linked oligosaccharides.

Additional Information

Gene ID	29926
Other Names	Mannose-1-phosphate guanylyltransferase regulatory subunit alpha, GDP-mannose pyrophosphorylase A, GMPP-alpha, GTP-mannose-1-phosphate guanylyltransferase alpha, GMPPA (HGNC:22923)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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).

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