MPG1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MPG1, Polyclonal Antibody
Full Product Name	Rabbit anti-Schizosaccharomyces pombe (strain 972/24843)(Fission yeast) MPG1 Polyclonal Antibody
Product Gene Name	anti-MPG1 antibody
Product Synonym Names	MPG1 Antibody; Mannose-1-phosphate guanyltransferase; EC 2.7.7.13; GDP-mannose pyrophosphorylase; GTP-mannose-1-phosphate guanylyltransferase; mpg1 SPCC1906.01
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Schizosaccharomyces pombe (strain 972/ 24843)(Fission yeast)
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH7.4
Purity/Purification	Antigen-affinity
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	39,719 Da
3D Structure	ModBase 3D Structure for O74484
Immunogen	Recombinant Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast) mpg1 protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MPG1 antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-MPG1 antibody	MBS7182823 is an antibody targeting MPG1. Also known as Rabbit anti-Schizosaccharomyces pombe (strain 972/24843)(Fission yeast) MPG1 Polyclonal Antibody. Reactive in Schizosaccharomyces pombe (strain 972/ 24843)(Fission yeast). Host: Rabbit.
Other Notes	Small volumes of anti-MPG1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MPG1. It may not necessarily be applicable to this product.

NCBI GI #	19075905
NCBI GeneID	2538743
NCBI Accession #	NP_588405.1
UniProt Primary Accession #	O74484

UniProt Secondary Accession #	P78779
GenBank Nucleotide #	NM_001023396.2
NCBI Official Symbol	mpg1
UniProt Protein Name	Mannose-1-phosphate guanyltransferase
UniProt Synonym Protein Names	GDP-mannose pyrophosphorylase; GTP-mannose-1-phosphate guanylyltransferase
Protein Family	Hydrophobin-like protein
UniProt Gene Name	mpg1
NCBI Protein Information	mannose-1-phosphate guanyltransferase Mpg1
UniProt Comments for MPG1	Involved in cell wall synthesis where it is required for glycosylation. Involved in cell cycle progression through cell-size checkpoint. Required for the correct assembly of the septum.
Research Articles on MPG1	**1.** Taken together, these results indicate that mpg1 and mpg2 function together in glycosylation and septum formation.
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