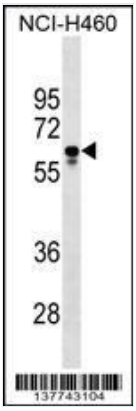
PGS1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PGS1, Polyclonal Antibody
Full Product Name	PGS1, ID (PGS1, CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial, Phosphatidylglycerophosphate synthase 1) (FITC)
Product Gene Name	anti-PGS1 antibody
Product Synonym Names	PGS1; CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial; Phosphatidylglycerophosphate synthase 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	62,730 Da
OMIM	614942
3D Structure	ModBase 3D Structure for Q32NB8
Immunogen	PGS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 271-299 amino acids from the Central region of human PGS1.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-PGS1 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-PGS1 antibody	Western Blot (WB), FLISA
Application Notes for anti-PGS1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PGS1 antibody	PGS1 functions in the biosynthesis of the anionic phospholipids phosphatidylglycerol and cardiolipin (By similarity).
Product References and Citations for anti-PGS1 antibody	Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000). Kawasaki, K., et al. J. Biol. Chem. 274(3):1828-1834(1999). Adams, M.D., et al. Nature 355(6361):632-634(1992).

Other Notes	Small volumes of anti-PGS1 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.
Searchable Terms for PGS1 purchase	MBS6333181 is an antibody targeting PGS1. Also known as PGS1, ID (PGS1, CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial, Phosphatidylglycerophosphate synthase 1) (FITC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PGS1 antibody
PGS1 Antibody (Center) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the PGS1 antibody detected the PGS1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PGS1. It may not necessarily be applicable to this product.

NCBI GI #	84508631
NCBI GeneID	9489
NCBI Accession #	NP_077733.3
UniProt Primary Accession #	Q32NB8
UniProt Secondary Accession #	Q8IYK9; Q8TA85; Q96A75; Q9H7G9; Q9NPW7; B7ZA32
UniProt Related Accession #	Q32NB8
GenBank Nucleotide #	NM_024419.4
NCBI Official Full Name	CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial
NCBI Official Synonym Full Names	phosphatidylglycerophosphate synthase 1
NCBI Official Symbol	PGS1
UniProt Protein Name	CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial
UniProt Synonym Protein Names	Phosphatidylglycerophosphate synthase 1
Protein Family	Probable CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase
UniProt Gene Name	PGS1
UniProt Synonym Gene Names	PGP synthase 1
UniProt Entry Name	PGPS1_HUMAN
NCBI Protein Information	CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial; PGP synthase 1

UniProt Comments for PGS1	PGS1: Functions in the biosynthesis of the anionic phospholipids phosphatidylglycerol and cardiolipin. Belongs to the CDP-alcohol phosphatidyltransferase class-II family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Transferase; EC 2.7.8.5; Endoplasmic reticulum; Lipid Metabolism - glycerophospholipid Chromosomal Location of Human Ortholog: 17q25.3 Cellular Component: mitochondrion; endoplasmic reticulum; mitochondrial inner membrane Molecular Function: CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferase activity; calcium ion binding; ATP binding Biological Process: cardiolipin biosynthetic process; phosphatidylglycerol biosynthetic process; phospholipid metabolic process; glycerophospholipid biosynthetic process; diacylglycerol metabolic process
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