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

PGS1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17706c

Product Information

Application	WB, E
Primary Accession	Q32NB8
Other Accession	NP_077733.3
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37743
Calculated MW	62730
Antigen Region	272-299

Additional Information

Gene ID	9489
Other Names	CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial, Phosphatidylglycerophosphate synthase 1, PGP synthase 1, PGS1
Target/Specificity	This PGS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 272-299 amino acids from the Central region of human PGS1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PGS1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PGS1 (HGNC:30029)
Function	Functions in the biosynthesis of the anionic phospholipids

phosphatidylglycerol and cardiolipin.

Cellular Location Mitochondrion {ECO:0000250|UniProtKB:Q9Z2Z7}.

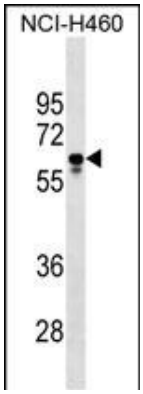
Background

PGS1 functions in the biosynthesis of the anionic phospholipids phosphatidylglycerol and cardiolipin (By similarity).

References

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)

Images



PGS1 Antibody (Center) (Cat. #AP17706c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the PGS1 antibody detected the PGS1 protein (arrow).

Citations

- Inactivation of cardiolipin synthase triggers changes in mitochondrial morphology.

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