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
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
Function	Functions in the biosynthesis of the anionic phospholipids phosphatidylglycerol and cardiolipin.

Cellular Location   Mitochondrion.

Background

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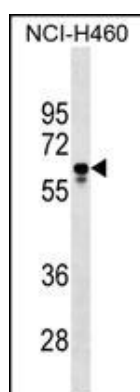
References

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'.