

Product datasheet for **AP51899PU-N**

GPAM (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100 - 1/500. Flow Cytometry: 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 433-463 amino acids from the Central region of human GPAM
Specificity:	This antibody reacts to GPAM.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	93795 Da
Gene Name:	glycerol-3-phosphate acyltransferase, mitochondrial
Database Link:	Entrez Gene 57678 Human Q9HCL2



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Background:

Glycerol-3-phosphate acyltransferase (GPAT; EC 2.3.1.15), which catalyzes the initial and committing step in glycerolipid biosynthesis, is predicted to play a pivotal role in the regulation of cellular triacylglycerol and phospholipid levels. Two mammalian forms of GPAT have been identified on the basis of localization to either the endoplasmic reticulum or mitochondria. [supplied by OMIM].

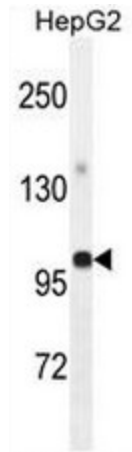
Synonyms:

Glycerol-3-phosphate acyltransferase 1, KIAA1560

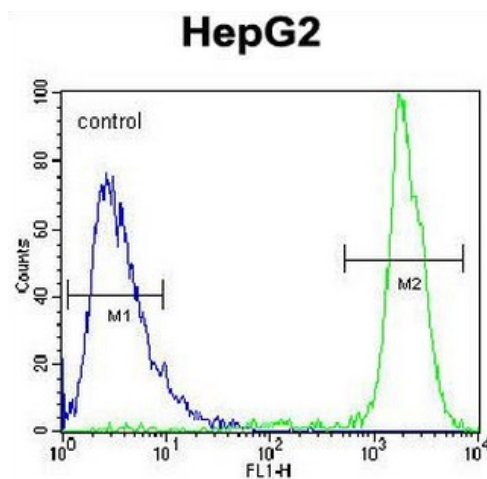
Protein Pathways:

Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways

Product images:



GPAM Antibody (Center) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the GPAM antibody detected the GPAM protein (arrow).



GPAM Antibody (Center) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.