

Rabbit anti-Human GPAM Polyclonal Antibody | anti-GPAM antibody

GPAM Antibody (Center)

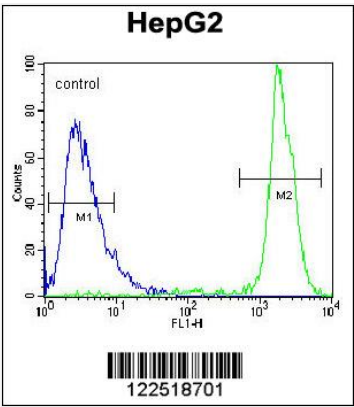
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285747	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

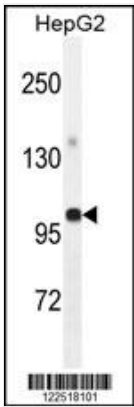
GPAM; Polyclonal Antibody; GPAM Antibody (Center); Glycerol-3-phosphate acyltransferase 1; mitochondrial; GPAT-1; GPAT1; KIAA1560; anti-GPAM antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GPAM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 426-455 amino acids from the Central region of human GPAM.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	426-455
Sequence Length	828
Applicable Applications for anti-GPAM antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-GPAM antibody	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].
Product Categories/Family for anti-GPAM antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010) Reiling, E., et al. Eur. J. Hum. Genet. 17(8):1056-1062(2009) Lu, Y., et al. J. Lipid Res. 49(12):2582-2589(2008) Chen, Y.Q., et al. J. Biol. Chem. 283(15):10048-10057(2008) Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	350276140
NCBI GeneID	57678
NCBI Accession #	NP_001231878.1; NP_065969.3
NCBI GenBank Nucleotide #	NM_001244949.1
UniProt Accession #	Q9HCL2; Q5VW51; Q86TA3
Molecular Weight	93795
NCBI Official Full Name	glycerol-3-phosphate acyltransferase 1, mitochondrial
NCBI Official Synonym Full Names	glycerol-3-phosphate acyltransferase, mitochondrial
NCBI Official Symbol	GPAM
NCBI Official Synonym Symbols	GPAT; GPAT1
NCBI Protein Information	glycerol-3-phosphate acyltransferase 1, mitochondrial
UniProt Protein Name	Glycerol-3-phosphate acyltransferase 1, mitochondrial

UniProt Gene Name	GPAM
UniProt Synonym Gene Names	GPAT1; KIAA1560; GPAT-1
UniProt Entry Name	GPAT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gpam-antibody-flow-cytometry-western-blot-elisa/285747>