Datasheet for ABIN952583

anti-GPAM antibody (Middle Region)

2 Images

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Overview

Quantity:	0.4 mL
Target:	GPAM
Binding Specificity:	AA 433-463, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPAM antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 433-463 amino acids from the Central region of human GPAM
Isotype:	Ig Fraction
Specificity:	This antibody reacts to GPAM.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	GPAM
Alternative Name:	GPAM / GPAT1 (GPAM Products)

Target Details

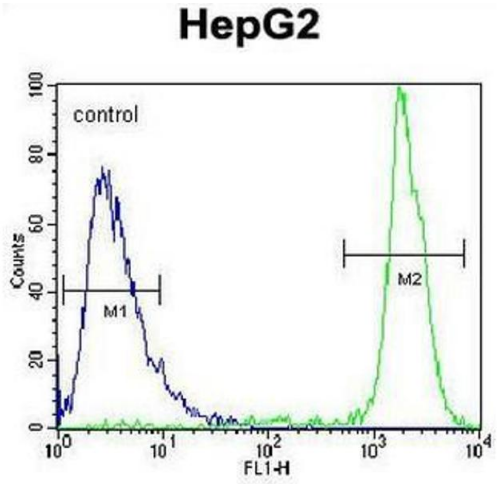
Background:	Glycerol-3-phosphate acyltransferase (GPAT, EC 2.3.1.15), which catalyzes the initial and committing step in glycerolipid biosynthesis, is predicted to play a pivotal role in the regulation of cellular triacylglycerol and phospholipid levels. Two mammalian forms of GPAT have been identified on the basis of localization to either the endoplasmic reticulum or mitochondria.[supplied by OMIM].Synonyms: Glycerol-3-phosphate acyltransferase 1, KIAA1560
Molecular Weight:	93795 Da
Gene ID:	57678
NCBI Accession:	NP_065969
Pathways:	Activated T Cell Proliferation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

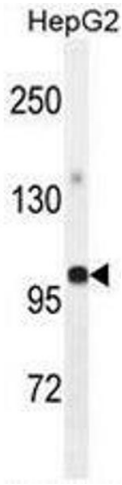
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. 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.



Western Blotting

Image 2. GPAM Antibody (Center) western blot analysis in HepG2 cell line lysates (35µg/lane).This demonstrates the GPAM antibody detected the GPAM protein (arrow).