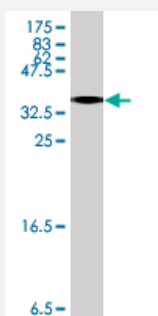


GPAM polyclonal antibody (A01)

Catalog # H00057678-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (34.91 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant GPAM.
Immunogen	GPAM (NP_065969, 749 a.a. ~ 828 a.a) partial recombinant protein with GST tag.
Sequence	PEYLQKLHKYLITRTERNVAVYAESATYCLVKNVCMFKDIGVFKETKQKRVSVLELSSTFLPQCN RQKLLEYILSFVVL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (91)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.91 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — GPAM

Entrez GeneID [57678](#)

GeneBank Accession# [NM_020918](#)

Protein Accession# [NP_065969](#)

Gene Name GPAM

Gene Alias GPAT1, KIAA1560, MGC26846, RP11-426E5.2

Gene Description glycerol-3-phosphate acyltransferase, mitochondrial

Omim ID [602395](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations glycerol 3-phosphate acyltransferase, mitochondrial|mitochondrial glycerol 3-phosphate acyltransferase

Publication Reference

- [Bezafibrate at clinically-relevant doses decreases serum/liver triglycerides via down-regulation of SREBP-1c in mice: a novel PPAR{alpha}-independent mechanism.](#)

Nakajima T, Tanaka N, Kanbe H, Hara A, Kamijo Y, Zhang X, Gonzalez FJ, Aoyama T.

Molecular Pharmacology 2009 Apr; 75(4):782.

Application: WB, Mouse, Liver

- [Molecular mechanism of age-specific hepatic lipid accumulation in PPARalpha \(+/-\):LDLR \(+/-\) mice, an obese mouse model.](#)

Li Y, Sugiyama E, Yokoyama S, Jiang L, Tanaka N, Aoyama T.

Lipids 2008 Mar; 43(4):301.

Application: WB, Mouse, Mouse liver

Pathway

- [Glycerolipid metabolism](#)
- [Glycerophospholipid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)