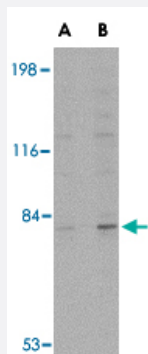


GPAM polyclonal antibody

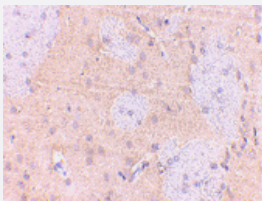
Catalog # PAB13037 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of GPAM in rat brain tissue lysate with GPAM polyclonal antibody (Cat # PAB13037) at (A) 1 and (B) 2 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of GPAM in rat brain with GPAM polyclonal antibody (Cat # PAB13037) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GPAM.
Immunogen	A synthetic peptide corresponding to C-terminu 15 amino acids of human GPAM.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of GPAM in rat brain tissue lysate with GPAM polyclonal antibody (Cat # PAB13037) at (A) 1 and (B) 2 ug/mL .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of GPAM in rat brain with GPAM polyclonal antibody (Cat # PAB13037) at 2.5 ug/mL .

Gene Info — GPAM

Entrez GeneID	57678
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

- [Mice deficient in mitochondrial glycerol-3-phosphate acyltransferase-1 have diminished myocardial triacylglycerol accumulation during lipogenic diet and altered phospholipid fatty acid composition.](#)

Lewin TM, de Jong H, Schwerbrock NJ, Hammond LE, Watkins SM, Combs TP, Coleman RA.

Biochimica et Biophysica Acta 2008 Jun; 1781(6-7):352.

- [SREBP transcription factors: master regulators of lipid homeostasis.](#)

Eberle D, Hegarty B, Bossard P, Ferre P, Foulle F.

Biochimica et Biophysica Acta 2004 Nov; 86(11):839.

- [Enzymes of triacylglycerol synthesis and their regulation.](#)

Coleman RA, Lee DP.

Progress in Lipid Research 2004 Mar; 43(2):134.

Application: WB, Human, Mammalian cells

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](#)