



LPAAT- θ rabbit pAb

Cat No.:ES7780

For research use only

Overview

Product Name	LPAAT- θ rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human AGPAT9. AA range:381-430
Specificity	LPAAT- θ Polyclonal Antibody detects endogenous levels of LPAAT- θ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Glycerol-3-phosphate acyltransferase 3
Gene Name	AGPAT9
Cellular localization	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	48kD
Human Gene ID	84803
Human Swiss-Prot Number	Q53EU6
Alternative Names	AGPAT9; GPAT3; MAG1; HMFN0839; Glycerol-3-phosphate acyltransferase 3; GPAT-3; 1-acylglycerol-3-phosphate O-acyltransferase 9; 1-AGP acyltransferase 9; 1-AGPAT 9; Acyl-CoA:glycerol-3-phosphate acyltransferase 3;

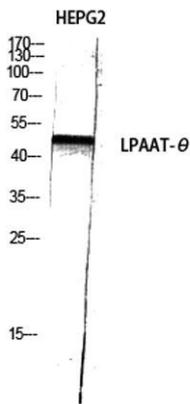




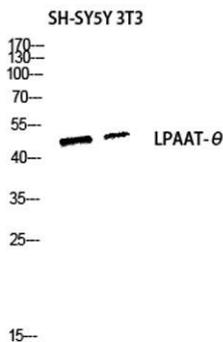
Background

hGPAT3; Lung cancer metastas

This gene encodes a member of the lysophosphatidic acid acyltransferase protein family. The encoded protein is an enzyme which catalyzes the conversion of glycerol-3-phosphate to lysophosphatidic acid in the synthesis of triacylglycerol. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2012],

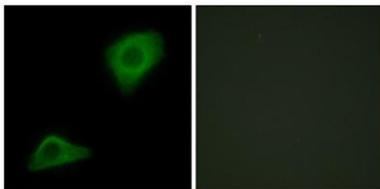


Western Blot analysis of HEPG2 using LPAAT-θ Polyclonal Antibody diluted at 1:1000



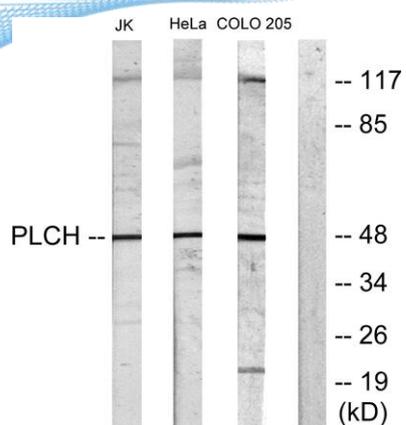
Western blot analysis of SH-SY5Y 3T3 lysis using LPAAT-θ antibody. Antibody was diluted at 1:1000

Immunofluorescence analysis of HepG2 cells, using PLCH Antibody. The picture on the right is blocked with the synthesized peptide.





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Western blot analysis of lysates from Jurkat cells, COLO205 cells, HeLa cells, and HUVEC cells, using PLCH Antibody. The lane on the right is blocked with the synthesized peptide.



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