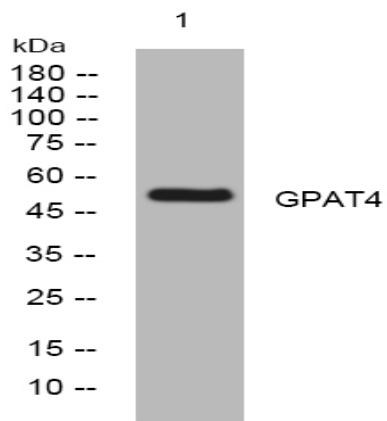


GPAT4 rabbit pAb

Catalog No :	YT7454
Reactivity :	Human;Mouse
Applications :	WB
Target :	GPAT4
Fields :	>>Glycerolipid metabolism;>>Glycerophospholipid metabolism;>>Metabolic pathways
Gene Name :	AGPAT6 GPAT4 UNQ551/PRO1108
Protein Name :	GPAT4
Human Gene Id :	137964
Human Swiss Prot No :	Q86UL3
Mouse Gene Id :	102247
Mouse Swiss Prot No :	Q8K2C8
Immunogen :	Synthesized peptide derived from human GPAT4 AA range: 39-89
Specificity :	This antibody detects endogenous levels of GPAT4 at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1[?]500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	<u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>
Molecularweight :	<u>50kD</u>
Background :	<u>Lysophosphatidic acid acyltransferases (EC 2.3.1.51) catalyze the conversion of lysophosphatidic acid (LPA) to phosphatidic acid (PA). LPA and PA are involved in signal transduction and lipid biosynthesis.[supplied by OMIM, Apr 2004],</u>
Function :	<u>catalytic activity:Acyl-CoA + sn-glycerol 3-phosphate = CoA + 1-acyl-sn-glycerol 3-phosphate.,domain:The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate.,enzyme regulation:Inhibited by N-ethylmaleimide (NEM).,function:Esterifies acyl-group from acyl-ACP to the sn-1 position of glycerol-3-phosphate, an essential step in glycerolipid biosynthesis. Active against both saturated and unsaturated long-chain fatty acyl-CoAs.,pathway:Phospholipid metabolism; CDP-diacylglycerol biosynthesis; GDP-diacylglycerol from sn-glycerol 3-phosphate: step 1/3.,similarity:Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family.,tissue specificity:Ubiquitous. Relatively high level of expression in skeletal muscle, heart and testis. Relatively low level of expression in lung.,</u>
Subcellular Location :	<u>Endoplasmic reticulum membrane ; Multi-pass membrane protein .</u>
Expression :	<u>Ubiquitous. High levels in testis. Relatively high level of expression in skeletal muscle and heart. Relatively low level of expression in lung.</u>
Sort :	<u>6969</u>
No4 :	<u>1</u>
Host :	<u>Rabbit</u>
Modifications :	<u>Unmodified</u>

Products Images



Western blot analysis of lysates from 293T cells, primary antibody was diluted at 1:1000, 4° over night