SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GPAT4 antibody

Catalog Number: SL15587R

FOR RESEARCH USE ONLY

[DATASHEET]

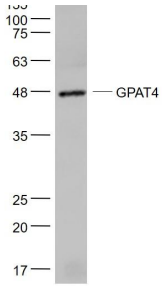
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GPAT4
Immunogen:	KLH conjugated synthetic peptide derived from human GPAT4: 251-350/648
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Chicken,Pig,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	48kDa
Subcellular Location:	cytoplasmic
Background:	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]. **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. **Tissue Specificity:** Ubiquitous. Relatively high level of expression in skeletal muscle, heart and testis. Relatively low level of expression in lung. **Similarity:** Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family. **Database links:** **Entrez Gene:** 137964 Human **Entrez Gene:** 102247 Mouse **Entrez Gene:** 290843 Rat

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

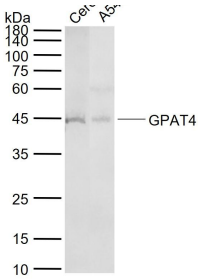
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	SwissProt: A3FPG8 Cow **SwissProt:** Q86UL3 Human **SwissProt:** Q8K2C8 Mouse **SwissProt:** Q0ZFS7 Rat **Unigene:** 355753 Human **Unigene:** 200898 Mouse

[VALIDATION IMAGES]



Sample:
Uterus (Mouse) Lysate at 40 ug
Primary: Anti- GPAT4 (SL15587R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 48 kD
Observed band size: 48 kD



Sample:
Lane 1: Mouse Cerebrum tissue lysates
Lane 2: Human A549 cell lysates
Primary: Anti-GPAT4 (SL15587R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 48 kDa
Observed band size: 45 kDa

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