



Rabbit Anti-GPAT4 antibody

SL15587R

Product Name:	GPAT4
Chinese Name:	甘油酰基转移酶4抗体
Alias:	1 acyl sn glycerol 3 phosphate acyltransferase zeta; 1 AGP acyltransferase 6; 1 AGPAT 6; 1-acylglycerol-3-phosphate O-acyltransferase 6; 1-AGP acyltransferase 6; 1-AGPAT 6; Acyl-CoA:glycerol-3-phosphate acyltransferase 4; AGPAT6; Glycerol-3-phosphate acyltransferase 4; GPAT4; GPAT4_HUMAN; LPAAT zeta; LPAAT-zeta; Lysophosphatidic acid acyltransferase zeta.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	48kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GPAT4:251-350/648
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

SWISS:

Q86UL3

Gene ID:

137964

Database links:

[Entrez Gene: 137964](#)Human

[Entrez Gene: 102247](#)Mouse

[Entrez Gene: 290843](#)Rat

[SwissProt: A3FPG8](#)Cow

[SwissProt: Q86UL3](#)Human

[SwissProt: Q8K2C8](#)Mouse

[SwissProt: Q0ZFS7](#)Rat

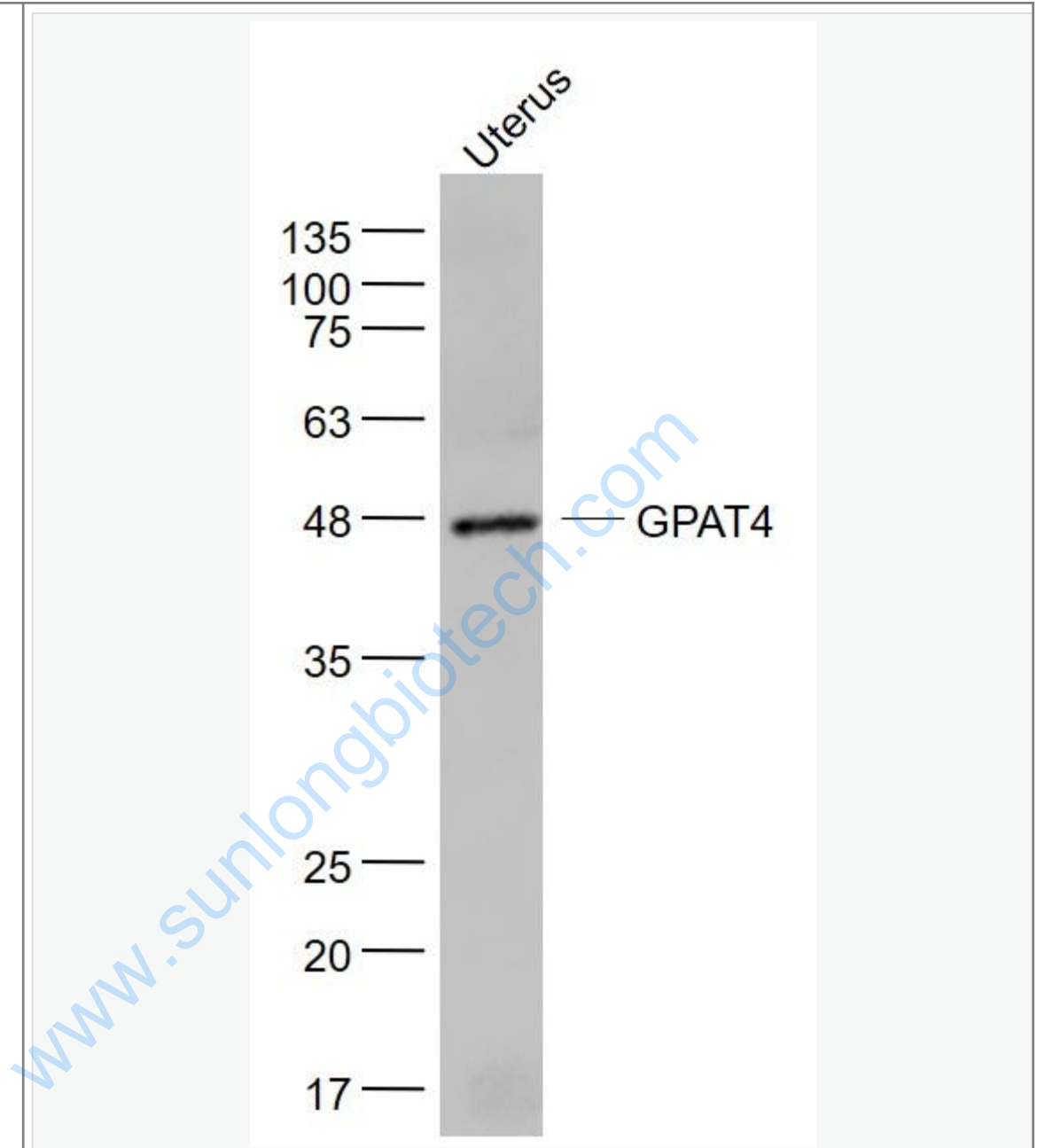
[Unigene: 355753](#)Human

[Unigene: 200898](#)Mouse

Important Note:

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

Picture:



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
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