



Rabbit Anti-LPGAT1 antibody

SL18347R

Product Name:	LPGAT1
Chinese Name:	溶血磷脂酰甘油酰基转移酶1抗体
Alias:	Acyl CoA:lysophosphatidylglycerol acyltransferase 1; Acyl-CoA:lysophosphatidylglycerol acyltransferase 1; FAM34A; FAM34A1; Family with sequence similarity 34 member A; KIAA0205; LGAT1_HUMAN; Lpgat1; lysophosphatidylglycerol acyltransferase 1; NET8.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,
Applications:	ELISA=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:	43kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LPGAT1:151-250/370
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:	Acyl-CoA:lysophosphatidylglycerol (LPG) acyltransferase catalyzes the reacylation of LPG to phosphatidylglycerol, a membrane phospholipid that is an important precursor for the synthesis of cardiolipin (Yang et al., 2004 [PubMed 15485873]).[supplied by OMIM, Mar 2008]

Function:

Lysophosphatidylglycerol (LPG) specific acyltransferase that recognizes various acyl-CoAs and LPGs as substrates but demonstrates a clear preference for long chain saturated fatty acyl-CoAs and oleoyl-CoA as acyl donors. Prefers oleoyl-LPG over palmitoyl-LPG as an acyl receptor and oleoyl-CoA over lauroyl-CoA as an acyl donor.

Subcellular Location:

Endoplasmic reticulum membrane.

Tissue Specificity:

Highly expressed in liver and placenta. Also expressed in peripheral blood, lung, kidney and brain. Detected at lower levels in colon.

Similarity:

Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family.

SWISS:

Q92604

Gene ID:

9926

Database links:

[Entrez Gene: 541208](#) Cow

[Entrez Gene: 609933](#) Dog

[Entrez Gene: 9926](#) Human

[Entrez Gene: 226856](#) Mouse

[Entrez Gene: 679692](#) Rat

[Omim: 610473](#) Human

[SwissProt: Q92604](#) Human

[SwissProt: Q91YX5](#) Mouse

[Unigene: 725980](#) Human

[Unigene: 277958](#) Mouse

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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