



Rabbit Anti-MAG1 antibody

SL6547R

Product Name:	MAG1
Chinese Name:	肺癌转移相关蛋白抗体
Alias:	MAG-1; PLCH; 1 AGP acyltransferase 9; 1 acylglycerol 3 phosphate O acyltransferase 8; 1 acylglycerol 3 phosphate O acyltransferase 9; 1 AGPAT 9; Acyl CoA:glycerol 3 phosphate acyltransferase 3; AGPAT8; GPAT3; LPAAT theta; Lung cancer metastasis associated protein; Lysophosphatidic acid acyltransferase theta; MAG 1; MGC11324.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Lung cancer metastasis associated protein:65-160/434
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:	MAG1 is the endoplasmic reticulum form of acyl-CoA:glycerol-3-phosphate acyltransferase - which catalyzes the initial step of de novo triacylglycerol synthesis by converting glycerol-3-phosphate to lysophosphatidic acid. Overexpression of MAG1

activates the mTOR pathway.

Function:

Esterifies acyl-group from acyl-ACP to the sn-1 position glycerol-3-phosphate, an essential step in glycerolipid biosynthesis. Overexpression activates the mTOR pathway.

Subcellular Location:

Endoplasmic reticulum membrane.

Tissue Specificity:

Widely expressed. Expressed in liver, kidney, testis, brain, heart, skeletal muscle, thyroid, prostate, thymus and placenta. Also expressed lung and adipose tissue.

Similarity:

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

SWISS:

Q53EU6

Gene ID:

84803

Database links:

[Entrez Gene: 84803](#)Human

[Entrez Gene: 231510](#)Mouse

[Entrez Gene: 305166](#)Rat

[Omim: 610958](#)Human

[SwissProt: Q53EU6](#)Human

[SwissProt: Q8C0N2](#)Mouse

[SwissProt: Q4V8J4](#)Rat

[Unigene: 99196](#)Human

[Unigene: 482473](#)Mouse

[Unigene: 214521](#)Rat

Important Note:

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

