

# AGPAT1 rabbit monoclonal antibody

Catalog # H00010554-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human AGPAT1 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human AGPAT1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human AGPAT1 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — AGPAT1

Entrez GeneID	<a href="#">10554</a>
GeneBank Accession#	<a href="#">AGPAT1</a>
Gene Name	AGPAT1
Gene Alias	1-AGPAT1, G15, LPAAT-alpha, LPAATA, MGC4007, MGC5423
Gene Description	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)
Omim ID	<a href="#">603099</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes an enzyme that converts lysophosphatidic acid (LPA) into phosphatidic acid (PA). LPA and PA are two phospholipids involved in signal transduction and in lipid biosynthesis in cells. This enzyme localizes to the endoplasmic reticulum. This gene is located in the class III region of the human major histocompatibility complex. Alternative splicing results in two transcript variants encoding the same protein. [provided by RefSeq]
Other Designations	1-AGP acyltransferase 1 1-acylglycerol-3-phosphate O-acyltransferase 1 1-acylglycerol-3-phosphate O-acyltransferase 1 (acetoacetyl Coenzyme A thiolase) OTTHUMP00000029298 OTTHUMP00000029299 OTTHUMP00000029300 OTTHUMP00000029301 OTTHUMP00000029302 OTTHUMP0

## Pathway

- [Ether lipid metabolism](#)
- [Glycerolipid metabolism](#)
- [Glycerophospholipid metabolism](#)
- [Metabolic pathways](#)

## Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)

- [Lupus Erythematosus](#)
- [Obesity](#)