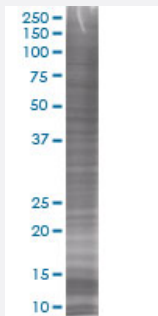


AGPAT1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00010554-T01

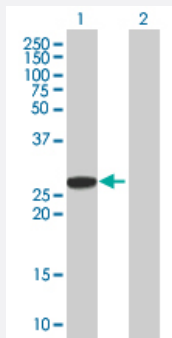
Size 100 uL

Applications



SDS-PAGE Gel

AGPAT1 transfected lysate



Western Blot

Lane 1: AGPAT1 transfected lysate (31.24 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-AGPAT1 full-length
Host	Human
Theoretical MW (kDa)	31.24
Interspecies Antigen Sequence	Mouse (91); Rat (92)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-AGPAT1 antibody ([H00010554-B01](#)) by Western Blots.
 SDS-PAGE Gel
 AGPAT1 transfected lysate
 Western Blot
 Lane 1: AGPAT1 transfected lysate (31.24 KDa).
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — AGPAT1

Entrez GeneID

[10554](#)

GeneBank Accession#

[BC002402](#)

Protein Accession#

[AAH02402](#)

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

[603099](#)

Gene Ontology

[Hyperlink](#)

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](#)