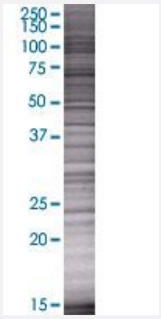
AGPAT2 293T Cell Transient Overexpression Lysate(Denatured)

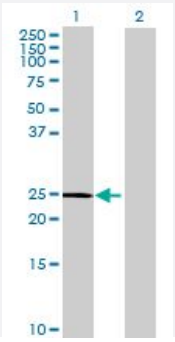
Catalog # H00010555-T01 Size 100 uL

Applications



SDS-PAGE Gel

AGPAT2 transfected lysate.



Western Blot

Lane 1: AGPAT2 transfected lysate (30.69 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-AGPAT2 full-length
Host	Human
Theoretical MW (kDa)	30.69
Interspecies Antigen Sequence	Mouse (76); Rat (75)

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Quality Control Testing	Transient overexpression cell lysate was tested with Anti-AGPAT2 antibody (H00010555-B01) by W estern Blots. SDS-PAGE Gel AGPAT2 transfected lysate. Western Blot Lane 1: AGPAT2 transfected lysate (30.69 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% Bro mophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — AGPAT2

Entrez GeneID	10555
GeneBank Accession#	NM_006412.3
Protein Accession#	NP_006403.2
Gene Name	AGPAT2
Gene Alias	1-AGPAT2, BSCL, BSCL1, LPAAB, LPAAT-beta
Gene Description	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)
Omim ID	603100 608594
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. The pro tein is located within the endoplasmic reticulum membrane and converts lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis. Mutations in this gene h ave been associated with congenital generalized lipodystrophy (CGL), or Berardinelli-Seip syndr ome, a disease characterized by a near absence of adipose tissue and severe insulin resistance. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [pr ovided by RefSeq
Other Designations	1-AGP acyltransferase 2|1-acyl-sn-glycerol-3-phosphate acyltransferase beta|1-acylglycerol-3-ph osphate O-acyltransferase 2|1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic ac id acyltransferase-beta)|OTTHUMP00000022595|OTTHUMP00000022596|ly

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Pathway

- Ether lipid metabolism
- Glycerolipid metabolism
- Glycerophospholipid metabolism
- Metabolic pathways

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