

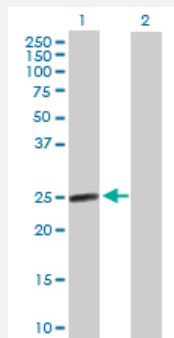
MaxPab®

AGPAT2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00010555-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of AGPAT2 expression in transfected 293T cell line ([H00010555-T01](#)) by AGPAT2 MaxPab polyclonal antibody.

Lane 1: AGPAT2 transfected lysate(30.58 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human AGPAT2 protein.
Immunogen	AGPAT2 (NP_006403.2, 1 a.a. ~ 278 a.a) full-length human protein.
Sequence	MELWPCLAAALLLLLLLVQLSRAAEFYAKVALYCALCFTVSAVASLVCLLRHGGRTVENMSIIGWF VRSFKYFYGLRFEVRDPRRLQEARPCVIVSNHQSILDMMLMEVLPERCVQIAKRELLFLGPVGLI MYLGGVFFINRQRSSSTAMTVMADLGERMVRENKQVWIYPEGTRNDNGDLLPFKKGAFYLAVQAAQ VPVVPVYSSFSSFYNTKKKFFTSGTVTVQVLEAIPTSGLTAADVLPALVDTCHRAMRTTFLHISKTP QENGATAGSGVQPAQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (76); Rat (75)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

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 protein 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 have been associated with congenital generalized lipodystrophy (CGL), or Berardinelli-Seip syndrome, a disease characterized by a near absence of adipose tissue and severe insulin resistance. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]
Other Designations	1-AGP acyltransferase 2 1-acyl-sn-glycerol-3-phosphate acyltransferase beta 1-acylglycerol-3-phosphate O-acyltransferase 2 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase-beta) OTTHUMP00000022595 OTTHUMP00000022596 ly

Pathway

- [Ether lipid metabolism](#)

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