

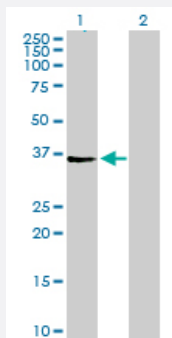
MaxPab®

AGPAT4 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00056895-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of AGPAT4 expression in transfected 293T cell line ([H00056895-T01](#)) by AGPAT4 MaxPab polyclonal antibody.

Lane 1: AGPAT4 transfected lysate(41.58 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human AGPAT4 protein.
Immunogen	AGPAT4 (NP_064518.1, 1 a.a. ~ 378 a.a) full-length human protein.
Sequence	MDLAGLLKSQFLCHLVFCYVFASGLIINTIQLFTLLLWPINKQLFRKINCRLSYCISSQLVMLLEWWS GTECTIFTDPRAYLKYGKENAMVVLNHFIDFLCGWSLSERFGLLGSKVLAKKELAYVPIIGWMW YFTEMVFCSRKWEQDRKT VATSLQHLDYPEKYFFLIHCEGTRFTEKKHEISMQVARAKGLPRLK HHLLPRTKGFAITVRSLRNVS AVYDCTLNFRNNENPTLLGVLNGKKYHADLYVRRIPLEDIPEDDD ECSAWLHKLYQEKDAFQEEYYRTGTFPETPMVPPRRPWTLVNWLFWASLVLYPFFQFLVSMIRS GSSLTLASFILVFFVASVGVRWMIGVTEIDKGSAYGNSDSKQKLND
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (85)
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 — AGPAT4

Entrez GeneID [56895](#)

GeneBank Accession# [NM_020133.2](#)

Protein Accession# [NP_064518.1](#)

Gene Name AGPAT4

Gene Alias 1-AGPAT4, LPAAT-delta, dJ473J16.2

Gene Description 1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. This integral membrane protein converts lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis. [provided by RefSeq]

Other Designations 1-AGP acyltransferase 4|1-acyl-sn-glycerol-3-phosphate acyltransferase delta|1-acylglycerol-3-phosphate O-acyltransferase 4|OTTHUMP00000017554|lysophosphatidic acid acyltransferase-delta (LPAAT-delta)

Publication Reference

- [Golgi membrane fission requires the CtBP1-S/BARS-induced activation of lysophosphatidic acid acyltransferase \$\delta\$.](#)

Pagliuso A, Valente C, Giordano LL, Filograna A, Li G, Circolo D, Turacchio G, Marzullo VM, Mandrich L, Zhukovsky MA, Formiggini F, Polishchuk RS, Corda D, Luini A.

Nature Communications 2016 Jul; 7:12148.

Application: IF, WB-Tr, Human, Monkey, COS-7, HeLa cells

Pathway

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

Disease

- [Tobacco Use Disorder](#)