

DNAXPab

Hard-to-Find  
Antibody

# AGPAT2 DNAXPab

Catalog # H00010555-W01P      Size 200 ug

## Specification

|                                |                                                                                                                                                                                                                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit polyclonal antibody raised against a full-length human AGPAT2 DNA using DNAX™ Immune technology.                                                                                                                                                                                                |
| <b>Technology</b>              | <a href="#">DNAX™ Immune</a>                                                                                                                                                                                                                                                                           |
| <b>Immunogen</b>               | Full-length human DNA                                                                                                                                                                                                                                                                                  |
| <b>Sequence</b>                | MELWPCLA AALLLLLLLVQLSRAAEFYAKVALYCALCFTVSAVASLVCLLRHGGRTVENMSIIGWF<br>VRSFKYFYGLRFEVRDPRRLQEARPCVVSNNHQSILDMMLMEVLPERCVQIAKRELLFLGPVGLI<br>MYLGGVFFINRQRSSTAMTVMADLGERMVRENKVVWYPEGTRNDNGDLLPFKKGAFYLAVQAAQ<br>VPVPVYSSSFSSFYNTKKKFFTSGTVTVQVLEAIPTSGLTAADV PALVDTCHRAMRTTFLHISKTP<br>QENGATAGSGVQPAQ |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                 |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                  |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                                                              |
| <b>Quality Control Testing</b> | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                |
| <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.                                                                                                                                                                                                                               |

## Applications

- Western Blot (Transfected lysate)  
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — AGPAT2

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">10555</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| GeneBank Accession# | <a href="#">NM_006412.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Protein Accession#  | <a href="#">NP_006403.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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             | <a href="#">603100 608594</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Summary        | <p>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]</p> |
| 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  y                                                                                                                                                                                                                                                                                                                                                            |

## Pathway

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