

For Research Use Only

# AGPAT2 Polyclonal antibody

Catalog Number: 31483-1-AP



## Basic Information

<b>Catalog Number:</b> 31483-1-AP	<b>GenBank Accession Number:</b> BC019292	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 10555	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15120	
<b>Isotype:</b> IgG	<b>Full Name:</b> 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	
<b>Immunogen Catalog Number:</b> AG34761	<b>Calculated MW:</b> 31 kDa	
	<b>Observed MW:</b> 27 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB: L02 cells, THP-1 cells, human adipose tissue
<b>Species Specificity:</b> Human	

## Background Information

1-acyl-sn-glycerol-3-phosphate acyltransferase beta (AGPAT2) belongs to a family of enzymes catalyzing the sn-2 acylation of the glycerol-3-phosphate backbone. AGPAT2 is highly expressed in adipose tissues, liver, and skeletal muscle. AGPAT2 is the only AGPAT isoform whose loss-of-function mutations cause a severe form of human congenital generalized lipodystrophy (PMID: 34824276). Human and mouse AGPAT2 have a calculated molecular mass of 31 kDa, and an alternatively spliced form of AGPAT2 mRNA, encoding a protein of 246 rather than 278 amino acids, is also found in human (PMID: 19336658). Western detected AGPAT2 at an apparent molecular mass of 27 kDa.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

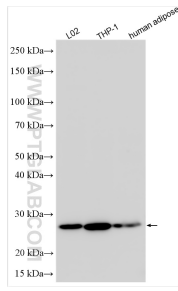
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31483-1-AP (AGPAT2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.