

For Research Use Only

# AGPAT6 Polyclonal antibody

Catalog Number: 16762-1-AP

2 Publications



## Basic Information

### Catalog Number:

16762-1-AP

### Size:

150ul, Concentration: 133 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG10294

### GenBank Accession Number:

BC051377

### GeneID (NCBI):

137964

### UNIPROT ID:

Q86UL3

### Full Name:

1-acylglycerol-3-phosphate O-acyltransferase 6 (lysophosphatidic acid acyltransferase, zeta)

### Calculated MW:

456 aa, 52 kDa

### Observed MW:

52 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : mouse brain tissue, mouse testis tissue, rat brain tissue

**IP** : mouse brain tissue,

**IHC** : human testis tissue, human kidney tissue, human liver tissue, human ovary tissue, human skin tissue

## Background Information

AGPAT6 is a member of the 1-acylglycerol-3-phosphate O-acyltransferase (AGPAT) family. AGPAT6 is expressed in brown adipose tissue and mammary epithelium as well as many other tissues. A deficiency of AGPAT6 in mice results in resistance to diet-induced and genetic forms of obesity.

## Notable Publications

Author	Pubmed ID	Journal	Application
Andres Goldman	38177900	EMBO Rep	WB
Sasha M Milbeck	32602905	Invest Ophthalmol Vis Sci	WB

## 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

\*\*\* 20ul sizes contain 0.1% BSA

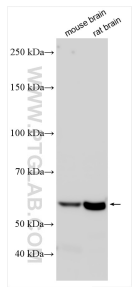
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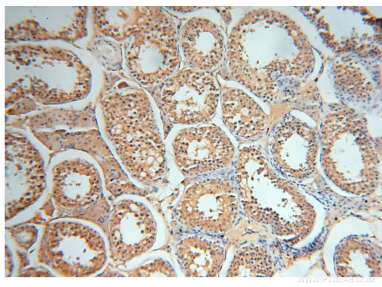
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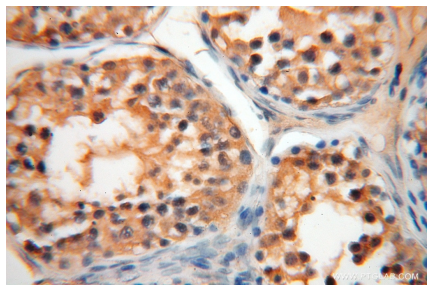
Selected Validation Data



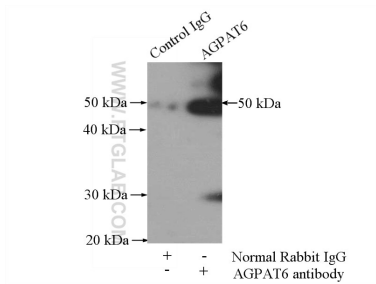
Various lysates were subjected to SDS PAGE followed by western blot with 16762-1-AP (AGPAT6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 16762-1-AP (AGPAT6 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 16762-1-AP (AGPAT6 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-AGPAT6 (IP:16762-1-AP, 4ug; Detection:16762-1-AP 1:1000) with mouse brain tissue lysate 2640ug.