

For Research Use Only

AGPAT6 Polyclonal antibody

Catalog Number: 16762-1-AP **2 Publications**



Basic Information

| | | |
|---|---|---|
| Catalog Number: 16762-1-AP | GenBank Accession Number: BC051377 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 133 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 137964 | Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate |
| Source: Rabbit | Full Name: 1-acylglycerol-3-phosphate O-acyltransferase 6 (lysophosphatidic acid acyltransferase, zeta) | IHC 1:20-1:200 |
| Isotype: IgG | Calculated MW: 456 aa, 52 kDa | |
| Immunogen Catalog Number: AG10294 | Observed MW: 52 kDa | |

Applications

Tested Applications:

IHC, IP, WB, 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

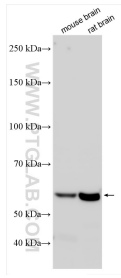
For technical support and original validation data for this product please contact:

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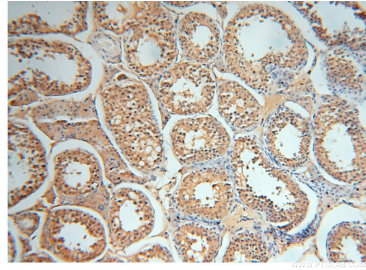
E: proteintech@ptglab.com
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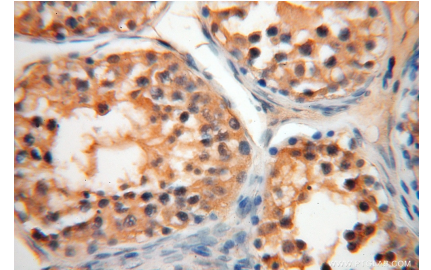
Selected Validation Data



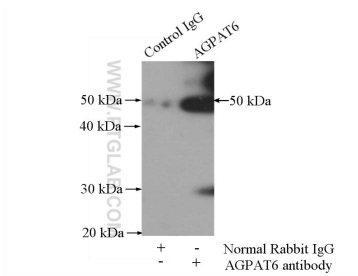
Various lysates were subjected to SDS PAGE followed by western blot with 16762-1-AP (AGPAT6 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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.