

AGPAT1 Rabbit pAb

Catalog No.: A6517

1 Publications

Basic Information

Observed MW

32 kDa

Calculated MW

32 kDa

Category

Primary antibody

Applications

WB,IP,IF-F,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes an enzyme that converts lysophosphatidic acid (LPA) into phosphatidic acid (PA). LPA and PA are two phospholipids involved in signal transduction and in lipid biosynthesis in cells. This enzyme localizes to the endoplasmic reticulum. This gene is located in the class III region of the human major histocompatibility complex. Alternative splicing results in two transcript variants encoding the same protein.

Recommended Dilutions

WB 1:500 - 1:2000

IP 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells

IF-F 1:200 - 1:400

IHC-P 1:300 - 1:1200

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.

Immunogen Information

Gene ID

10554

Swiss Prot

Q99943

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

G15; LPAATA; LPLAT1; 1-AGPAT1; LPAAT-alpha; AGPAT1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

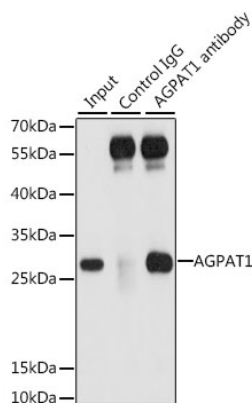
Contact

☎ | 400-999-6126

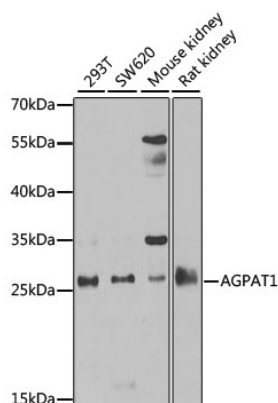
✉ | cn.market@abclonal.com.cn

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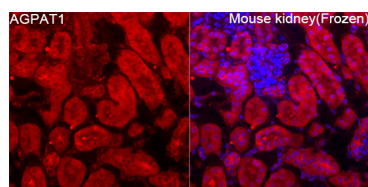
Validation Data



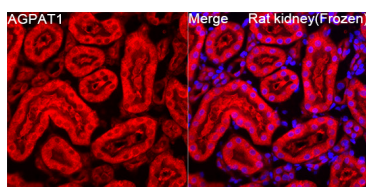
Immunoprecipitation analysis of 200 µg extracts of 293T cells, using 3 µg AGPAT1 antibody (A6517). Western blot was performed from the immunoprecipitate using AGPAT1 antibody (A6517) at a dilution of 1:1000.



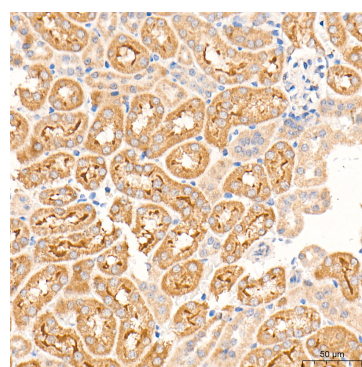
Western blot analysis of various lysates using AGPAT1 Rabbit pAb (A6517) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



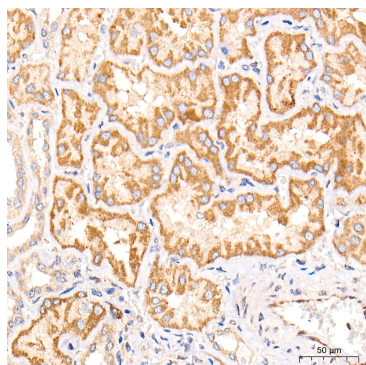
Immunofluorescence analysis of frozen sections of Mouse kidney tissue using AGPAT1 Rabbit pAb (A6517) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



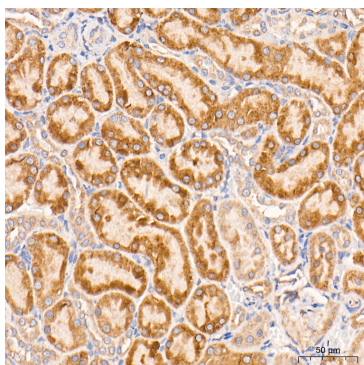
Immunofluorescence analysis of frozen sections of Rat kidney tissue using AGPAT1 Rabbit pAb (A6517) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using AGPAT1 Rabbit pAb (A6517) at a dilution of 1:1200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using AGPAT1 Rabbit pAb (A6517) at a dilution of 1:1200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using AGPAT1 Rabbit pAb (A6517) at a dilution of 1:1200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.