A6517

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AGPAT1 Rabbit pAb

Catalog No.: A6517 1 Publications

Basic Information

Observed MW
32 kDa

Calculated MW
32 kDa

Category
Polyclonal Antibody

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

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

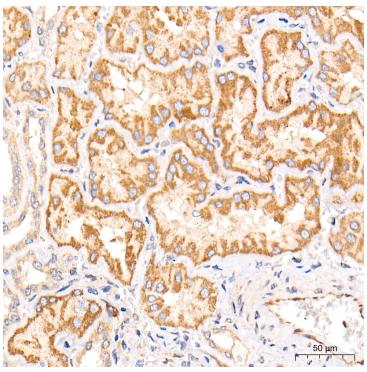
Purification
Affinity purification

Storage
Store at -20℃

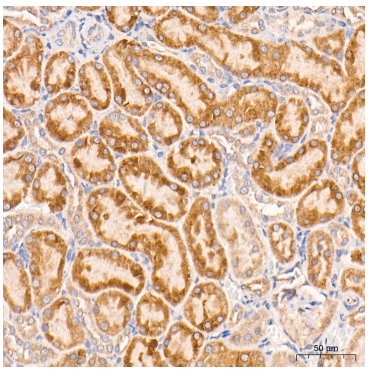
Contact

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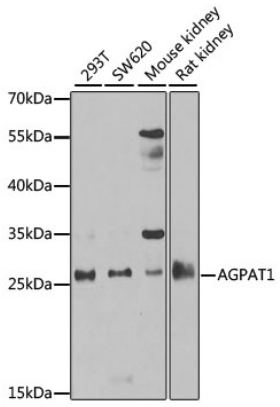
Validation Data



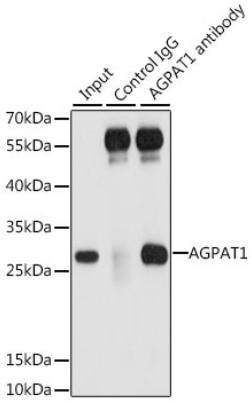
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using AGPAT1 Rabbit pAb (A6517) at a dilution of 1:1200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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.

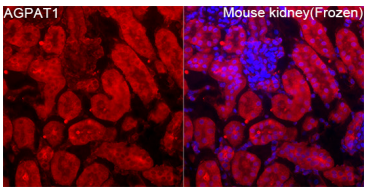


Western blot analysis of various lysates using AGPAT1 Rabbit pAb (A6517) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure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

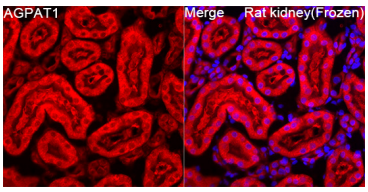


Immunoprecipitation analysis of 200 µg extracts of 293T cells, using 3 µg AGPAT1 antibody (A6517). Western blot was performed from the immunoprecipitate using AGPAT1 antibody (A6517) at a dilution of 1:1000.

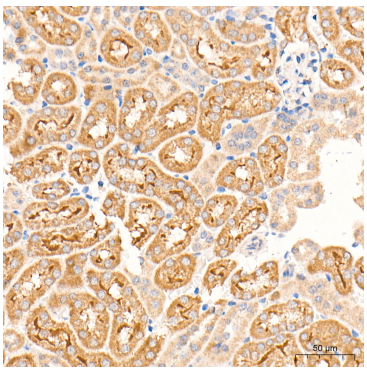
Validation Data



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.