

ACSL1 Rabbit pAb

Catalog No.: A16253 **6 Publications**

Basic Information

Observed MW

78kDa

Calculated MW

78kDa

Category

Primary antibody

Applications

WB, IP, IF/ICC, IF-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. Several transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:500 - 1:1000

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

IF/ICC 1:50 - 1:200

IF-P 1:50 - 1:200

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

Immunogen Information

Gene ID

2180

Swiss Prot

P33121

Immunogen

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

Synonyms

ACS1; LACS; FACL1; FACL2; LACS1; LACS2; ACSL1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

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

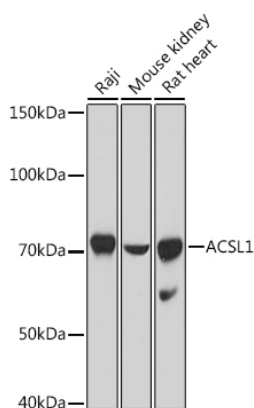
Contact

☎ | 400-999-6126

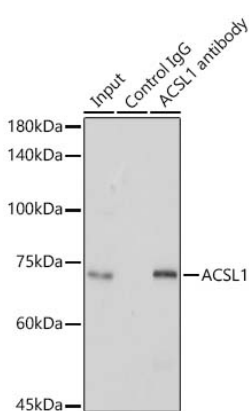
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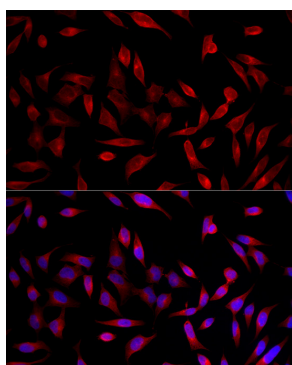
Validation Data



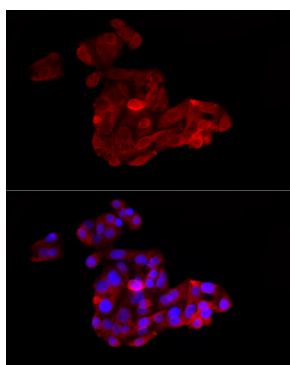
Western blot analysis of various lysates using ACSL1 Rabbit pAb (A16253) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



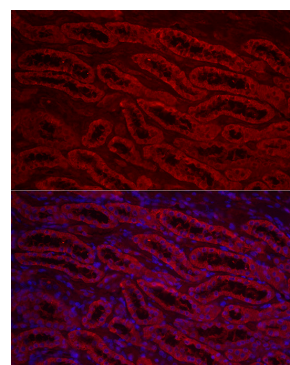
Immunoprecipitation analysis of 300 µg extracts of Raji cells using 3 µg ACSL1 Rabbit pAb (A16253). Western blot was performed from the immunoprecipitate using ACSL1 Rabbit pAb (A16253) at a dilution of 1:1000.



Immunofluorescence analysis of HeLa cells using ACSL1 Rabbit pAb (A16253) at 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.

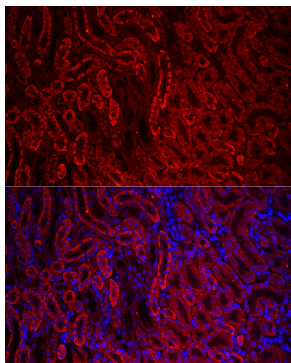


Immunofluorescence analysis of HepG2 cells using ACSL1 Rabbit pAb (A16253) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded rat kidney using ACSL1 Rabbit pAb (A16253) at 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.

Validation Data



Immunofluorescence analysis of paraffin-embedded mouse kidney using ACSL1 Rabbit pAb (A16253) at 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.