

ACSL4 Rabbit pAb

Catalog No.: A6826 **46 Publications**

Basic Information

Observed MW

79kDa/74kDa

Calculated MW

79kDa

Category

Primary antibody

Applications

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

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. This isozyme preferentially utilizes arachidonate as substrate. The absence of this enzyme may contribute to the cognitive disability or Alport syndrome. Alternative splicing of this gene generates multiple transcript variants.

Recommended Dilutions

WB	1:500 - 1:1000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

2182

Swiss Prot

O60488

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 42-321 of human ACSL4 (NP_075266.1?).

Synonyms

ACS4; FACL4; LACS4; MRX63; MRX68; XLID63; ACSL4

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

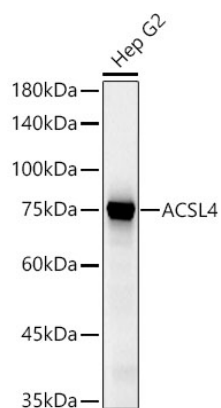
Affinity purification

Storage

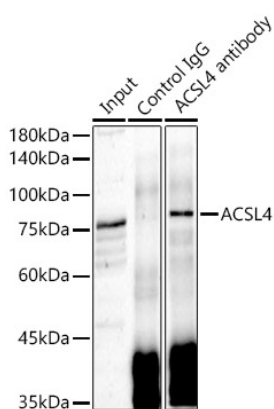
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

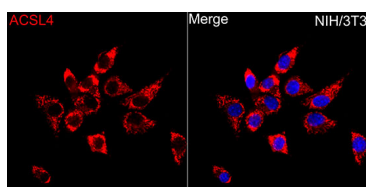
Validation Data



Western blot analysis of lysates from Hep G2 cells using ACSL4 Rabbit pAb(A6826) at 1:400 dilution. Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection:ECL Basic Kit (RM00020). Exposure time:10s.



Immunoprecipitation analysis of 300ug extracts of Hep G2 cells using 3ug ACSL4 Rabbit pAb antibody (A6826 1:100). Western blot was performed from the immunoprecipitate using ACSL4 Rabbit pAb antibody (A6826) at a dilution of 1:2000.



Immunofluorescence analysis of NIH/3T3 cells using ACSL4 Rabbit pAb (A6826) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.