

ACSL4 Rabbit pAb

Catalog NO.: A6826 **74 Publications**

Basic Information

Observed MW

79 kDa

Calculated MW

79 kDa

Category

Polyclonal Antibodies

Applications

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

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

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 - 1:5000

IP

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

IF/ICC 1:50 - 1:200

IHC-P 1:50 - 1:200

ELISA

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

Contact

Immunogen Information

Gene ID

2182

Swiss Prot

O60488

Immunogen

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

Synonyms

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

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	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.		

Validation Data

Western blot analysis of lysates from Hep G2 cells using ACSL4 Rabbit pAb (A6826) at 1:400 dilution.

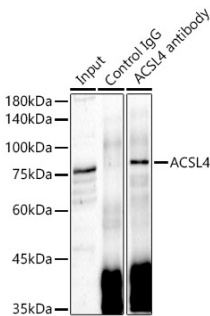
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

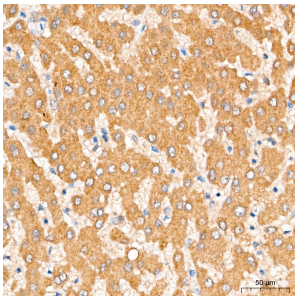
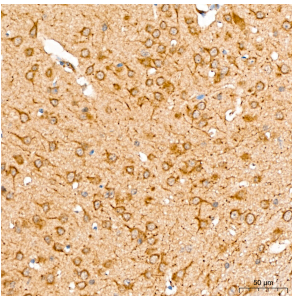
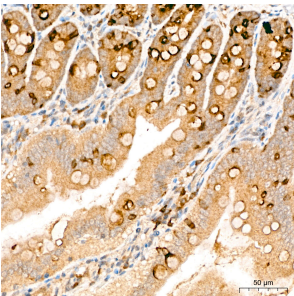
Detection: ECL Basic Kit (RM00020).

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.

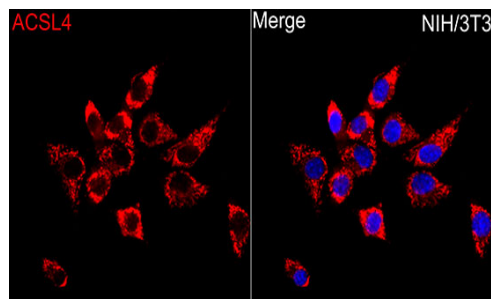


Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using ACSL4 Rabbit pAb (A6826) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using ACSL4 Rabbit pAb (A6826) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human liver tissue using ACSL4 Rabbit pAb (A6826) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

Validation Data



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

