

A6826

Leader in Biomolecular Solutions for Life Science



## ACSL4 Rabbit pAb

Catalog No.: A6826

44 Publications

### Basic Information

#### Observed MW

79kDa/74kDa

#### Calculated MW

79kDa

#### Category

Mouse Monoclonal Antibody

#### Applications

WB, IHC-P, IF/ICC, IP, 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. 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	Swiss Prot
2182	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



[www.abclonal.com](http://www.abclonal.com)

### Product Information

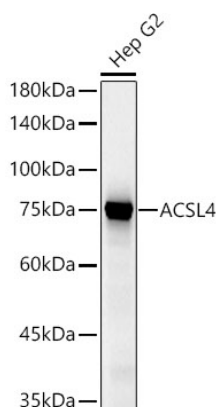
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

#### Storage

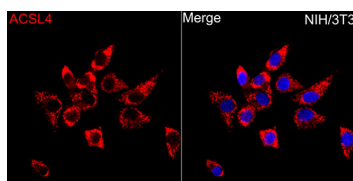
Store at -20°C. Avoid freeze / thaw cycles.

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

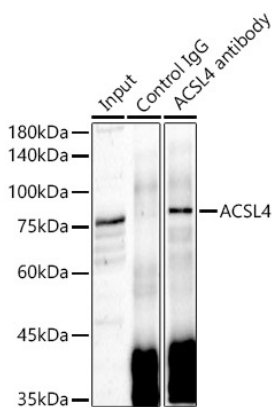
## Validation Data



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.



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.



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.