

**ACSL1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58260**

**Specification**

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**ACSL1 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	<a href="#">P33121</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77943

**ACSL1 Polyclonal Antibody - Additional Information**

**Gene ID** 2180

**Other Names**

Long-chain-fatty-acid--CoA ligase 1, 6.2.1.3, Acyl-CoA synthetase 1, ACS1, Arachidonate--CoA ligase, 6.2.1.15, ACSL1 ([HGNC:3569](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=3569))

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**ACSL1 Polyclonal Antibody - Protein Information**

**Name** ACSL1 ([HGNC:3569](#))

**Function**

Catalyzes the conversion of long-chain fatty acids to their active form acyl-CoAs for both synthesis of cellular lipids, and degradation via beta-oxidation (PubMed:[21242590](http://www.uniprot.org/citations/21242590), PubMed:[22633490](http://www.uniprot.org/citations/22633490), PubMed:[24269233](http://www.uniprot.org/citations/24269233)). Preferentially uses palmitoleate, oleate and linoleate (PubMed:[24269233](http://www.uniprot.org/citations/24269233)). Preferentially activates arachidonate than epoxyeicosatrienoic acids (EETs) or hydroxyeicosatrienoic acids (HETEs) (By similarity).

**Cellular Location**

Mitochondrion outer membrane; Single-pass type III membrane protein. Peroxisome membrane; Single-pass type III membrane protein. Microsome membrane; Single-pass type III membrane

protein. Endoplasmic reticulum membrane; Single-pass type III membrane protein

**Tissue Location**

Highly expressed in liver, heart, skeletal muscle, kidney and erythroid cells, and to a lesser extent in brain, lung, placenta and pancreas.

**ACSL1 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ACSL1 Polyclonal Antibody - Images**