

## Anti-ACSL1 antibody

---



|                           |                                                                                                                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Unconjugated Rabbit polyclonal to ACSL1                                                                                                                                                                  |
| <b>Model</b>              | STJ190931                                                                                                                                                                                                |
| <b>Host</b>               | Rabbit                                                                                                                                                                                                   |
| <b>Reactivity</b>         | Human, Mouse, Rat                                                                                                                                                                                        |
| <b>Applications</b>       | ELISA, WB                                                                                                                                                                                                |
| <b>Immunogen</b>          | Synthesized peptide derived from human ACSL1 protein.                                                                                                                                                    |
| <b>Immunogen Region</b>   | 210-290aa                                                                                                                                                                                                |
| <b>Gene ID</b>            | <a href="#">2180</a>                                                                                                                                                                                     |
| <b>Gene Symbol</b>        | <a href="#">ACSL1</a>                                                                                                                                                                                    |
| <b>Dilution range</b>     | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                         |
| <b>Specificity</b>        | ACSL1 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                          |
| <b>Tissue Specificity</b> | Highly expressed in liver, heart, skeletal muscle, kidney and erythroid cells, and to a lesser extent in brain, lung, placenta and pancreas.                                                             |
| <b>Purification</b>       | ACSL1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                  |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                                                                                                             |
| <b>Protein Name</b>       | Long-chain-fatty-acid--CoA ligase 1 Acyl-CoA synthetase 1 ACS1 Long-chain acyl-CoA synthetase 1 LACS 1 Long-chain acyl-CoA synthetase 2 LACS 2 Long-chain fatty acid-CoA ligase 2 Palmitoyl-CoA ligase 1 |
| <b>Molecular Weight</b>   | 76 kDa                                                                                                                                                                                                   |

|                              |                                                                                                                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clonality</b>             | Polyclonal                                                                                                                                                                                               |
| <b>Conjugation</b>           | Unconjugated                                                                                                                                                                                             |
| <b>Isotype</b>               | IgG                                                                                                                                                                                                      |
| <b>Formulation</b>           | Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                      |
| <b>Concentration</b>         | 1 mg/ml                                                                                                                                                                                                  |
| <b>Storage Instruction</b>   | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                     |
| <b>Database Links</b>        | <a href="https://www.ncbi.nlm.nih.gov/condensedbook/condensedbook.cgi?acc=HGNC:3569OMIM:152425">HGNC:3569OMIM:152425</a>                                                                                 |
| <b>Alternative Names</b>     | Long-chain-fatty-acid--CoA ligase 1 Acyl-CoA synthetase 1 ACS1 Long-chain acyl-CoA synthetase 1 LACS 1 Long-chain acyl-CoA synthetase 2 LACS 2 Long-chain fatty acid-CoA ligase 2 Palmitoyl-CoA ligase 1 |
| <b>Function</b>              | Activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. Preferentially uses palmitoleate, oleate and linoleate.                                  |
| <b>Cellular Localization</b> | Mitochondrion outer membrane Peroxisome membrane Microsome membrane Endoplasmic reticulum membrane                                                                                                       |

---

**St John's Laboratory Ltd**

**F** +44 (0)207 681 2580

**T** +44 (0)208 223 3081

**W** <http://www.stjohnslabs.com/>

**E** [info@stjohnslabs.com](mailto:info@stjohnslabs.com)