

Datasheet for ABIN2777591
anti-ACSL1 antibody (N-Term)[Go to Product page](#)

2 Images

1 Publication

Overview

| | |
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| Quantity: | 100 µL |
| Target: | ACSL1 (Acs1l) |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Cow, Guinea Pig, Horse, Dog, Zebrafish (Danio rerio), Pig, Rabbit |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ACSL1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human ACSL1 |
| Sequence: | ALLDSDEPLV YFYDDVTTLTY EGFQRGIQVS NNGPCLGSRK PDQPYEWLSY |
| Predicted Reactivity: | Cow: 85%, Dog: 92%, Guinea Pig: 85%, Horse: 79%, Human: 100%, Mouse: 85%, Pig: 92%, Rabbit: 100%, Rat: 85%, Zebrafish: 77% |
| Characteristics: | This is a rabbit polyclonal antibody against ACSL1. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

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| Target: | ACSL1 (Acs1l) |
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Target Details

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| Alternative Name: | ACSL1 (Acs11 Products) |
| Background: | <p>ACSL1 encodes 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: ACS1, FACL1, FACL2, LACS, LACS1, LACS2</p> <p>Protein Interaction Partner: SUMO2, PARK2, ATP4A, UBC, NR3C2, ECT2, UBD,</p> <p>Protein Size: 698</p> |
| Molecular Weight: | 78 kDa |
| Gene ID: | 2180 |
| NCBI Accession: | NM_001995 , NP_001986 |
| UniProt: | P33121 |
| Pathways: | Regulation of Lipid Metabolism by PPARalpha |

Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 698 AA |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |

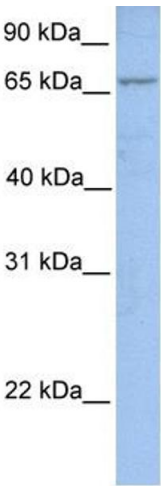
Handling

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|--------------------|---|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Publications

| | |
|-------------------|--|
| Product cited in: | Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). ..." in: Genome research , Vol. 14, Issue 10B, pp. 2121-7, (2004) (PubMed). |
|-------------------|--|

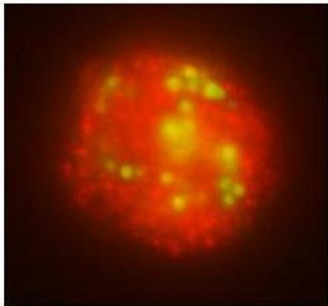
Images



Western Blotting

Image 1. WB Suggested Anti-ACSL1 Antibody Titration: 0.2-1 ug/ml Positive Control: MCF7 cell lysate

ACSL1



Green: ACSL1 Red: Biodipy

Immunohistochemistry

Image **2.** Researcher: Received from
anonymousApplication: IHCSpecies+tissue/cell type: THP-1
derived macrophage activated with iMtb Primary Antibody
dilution: Primary ab dil: 1:200
Secondary Antibody: Goat anti-rabbit Alexa Fluor 647
Secondary Antibody Dilution: 1:033

See IHC 2 Data and customer Feedback for more Information