

Rabbit ACSL1 Polyclonal Antibody | anti-ACSL1 antibody

ACSL1 Antibody

CATALOG # AAA40624	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot, ELISA
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PRODUCT SYNONYMS

ACSL1; Polyclonal Antibody; ACSL1 Antibody; ACS1; LACS; FACL1; FACL2; LACS1; LACS2; Long-chain-fatty-acid--CoA ligase 1; Acyl-CoA synthetase 1; acyl-CoA synthetase long-chain family member 1; anti-ACSL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three isoforms of ACSL1 are known to exist; this antibody will detect all three isoforms.
Purity/Purification	ACSL1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	698
Applicable Applications for anti-ACSL1 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Rabbit polyclonal ACSL1 antibody was raised against an 18 amino acid peptide near the center of human ACSL1.
Buffer	ACSL1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ACSL1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of ACSL1 in human lung tissue with ACSL1 antibody at 20 μg/mL.



WB (Western Blot)

Western blot analysis of ACSL1 expression in human liver tissue lysate with ACSL1 antibody at 0.25 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ACSL1 antibody	ACSL1 Antibody: Long-chain acyl coenzyme A synthetase 1 (ACSL1) catalyzes the synthesis of acyl-CoA from long-chain fatty acids in an ATP-dependent manner. ACSL1 is a member of a family of long-chain acyl-CoA synthetases which differ in substrate preference, tissue expression, and subcellular localization. In mouse, ASCL1 is the major acyl-CoA enzyme in the heart, providing 60-90% of heart ATP. Loss of ASCL1 either globally or in heart ventricles resulted in impaired fatty acid oxidation, activation of the mammalian target of rapamycin (mTOR), and cardiac hypertrophy.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40807491
NCBI GeneID	2180
NCBI Accession #	NP_001986
NCBI GenBank Nucleotide #	NM_001995.3
UniProt Accession #	P33121; P41215; Q8N8V7; Q8TA99; B7Z452; D3DP57
Molecular Weight	77 kDa
NCBI Official Full Name	long-chain-fatty-acid--CoA ligase 1 isoform a
NCBI Official Synonym Full Names	acyl-CoA synthetase long-chain family member 1
NCBI Official Symbol	ACSL1
NCBI Official Synonym Symbols	ACS1; LACS; FACL1; FACL2; LACS1; LACS2
NCBI Protein Information	long-chain-fatty-acid--CoA ligase 1; LACS 1; LACS 2; acyl-CoA synthetase 1; palmitoyl-CoA ligase 1; palmitoyl-CoA ligase 2; paltimoyl-CoA ligase 1; lignoceroyl-CoA synthase; long-chain acyl-CoA synthetase 1; long-chain acyl-CoA synthetase 2; long-chain fatty acid-CoA ligase 2; long-chain fatty-acid-coenzyme A ligase 1; fatty-acid-Coenzyme A ligase, long-chain 1; fatty-acid-Coenzyme A ligase, long-chain 2
UniProt Protein Name	Long-chain-fatty-acid--CoA ligase 1
UniProt Gene Name	ACSL1
UniProt Synonym Gene Names	FACL1; FACL2; LACS; LACS1; LACS2; ACS1; LACS 1; LACS 2
UniProt Entry Name	ACSL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/acsl1-antibody-immunofluorescence-western-blot-elisa/40624>