

Rabbit ACSL1 Polyclonal Antibody | anti-ACSL1 antibody

ACSL1 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281638	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ACSL1; Polyclonal Antibody; ACSL1 Rabbit pAb; ACS1; FACL1; FACL2; LACS; LACS1; LACS2; anti-ACSL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence	TRPKPLKPPC DLMSQSVEVA GSGGARRSAL LDSDEPLVYF YDDVTTLYEG FQRGIQVSNN GPCLGSRKPD QPYEWLSYKQ VAELESECIGS ALIQKGFKTA PDQFIGIFAQ NRPEWVIEQ GCFAYSMVIV PLYDTLGNEA ITYIVNKAEL SLVFVDKPEK AKLLEGVEN KLIPGLKIIV VMDAYGSELV ERGQRCGVEV TSMKAMEDLG RANRRKPKPP APEDLAVICF
Applicable Applications for anti-ACSL1 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 46-275 of human ACSL1 (NP_001273637.1).
Cellular Location	Endoplasmic reticulum membrane, Microsome membrane, Mitochondrion outer membrane, Peroxisome membrane, Single-pass type III membrane protein
Positive Samples	Raji, Mouse kidney, Rat heart
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of 300ug extracts of Raji cells using 3ug ACSL1 antibody . Western blot was performed from the immunoprecipitate using ACSL1 antibody at a dilution of 1:1000.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using ACSL1 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using ACSL1 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ACSL1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-ACSL1 antibody	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. Several transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-ACSL1 antibody	Cardiovascular; Lipids; Fatty Acids

NCBI AND UNIPROT INFORMATION

NCBI GI #	417241
NCBI GeneID	2180
UniProt Accession #	P33121; P41215; Q8N8V7; Q8TA99; B7Z452; D3DP57
Molecular Weight	698
NCBI Official Full Name	Long-chain-fatty-acid--CoA ligase 1
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; palmitoyl-CoA ligase 1; lignoceroyl-CoA synthase; long-chain acyl-CoA synthetase 1; long-chain acyl-CoA synthetase 2; long-chain fa
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-immunoprecipitation-immunofluorescence-western-blot-elisa/281638>