

Rabbit anti-Human ACSL1 Monoclonal Antibody | anti-ACSL1 antibody

ACSL1 Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28557	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

ACSL1; Monoclonal Antibody; ACSL1 Rabbit PolymAb; ACS1; LACS; FACL1; FACL2; LACS1; LACS2; anti-ACSL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MQAHELFYRF RMPELVDFRQ YVRTLPNTNL MGFGAFAALT TFWYATRPKP LKPPCDLSMQ SVEVAGSGGA RRSALLDSDE PLVVFYDDVT TLYEGFQRG
Applicable Applications for anti-ACSL1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:15000-1:60000 IHC-P: 1:400-1:4000 IF/ICC: 1:800-1:3200 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human ACSL1 (NP_001986.2)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Confocal imaging of Hep G2 cells using ACSL1 Rabbit PolymAb® (A22737-PM, dilution 1:800) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with γ -tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Human liver tissue using ACSL1 Rabbit PolymAb® (A22737-PM, dilution 1:800) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



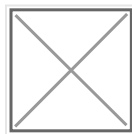
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Mouse liver tissue using ACSL1 Rabbit PolymAb® (A22737-PM, dilution 1:800) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



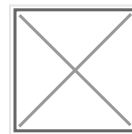
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Rat liver tissue using ACSL1 Rabbit PolymAb® (A22737-PM, dilution 1:800) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using ACSL1 Rabbit PolymAb® (AAA28557) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat heart tissue using ACSL1 Rabbit PolymAb® (AAA28557) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-ACSL1 antibody	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	Cancer; Signal Transduction; Endocrine Metabolism; Lipid Metabolism; Cardiovascular; Lipids; Fatty Acids; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	417241
NCBI GeneID	2180
UniProt Accession #	P33121; P41215; Q8N8V7; Q8TA99; B7Z452; D3DP57
Molecular Weight	Calculated MW: 78kDa Observed MW: 78kDa
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/monoclonal/acsl1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28557>