

Datasheet for ABIN4886418
anti-ACSL1 antibody (AA 604-698)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	ACSL1 (Acsl1)
Binding Specificity:	AA 604-698
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACSL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Long-chain-fatty-acid--CoA ligase 1(ACSL1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E. coli-derived human ACSL1 recombinant protein (Position: D604-V698). Human ACSL1 shares 81.1% and 86.3% amino acid (aa) sequence identity with mouse and rat ACSL1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Long-chain-fatty-acid--CoA ligase 1(ACSL1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.</p> <p>Gene Name: acyl-CoA synthetase long-chain family member 1</p> <p>Protein Name: Long-chain-fatty-acid--CoA ligase 1</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	ACSL1 (Acs1)
Alternative Name:	ACSL1 (Acs1 Products)
Background:	<p>Long-chain-fatty-acid-CoA ligase 1 is an enzyme that in humans is encoded by the ACSL1 gene. 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. This specific protein is most commonly found in mitochondria and peroxisomes.</p> <p>Synonyms: ACS 1 ACS1 ACSL 1 ACSL1 FACL 1 FACL1 FACL 2 FACL2 LACS 1 LACS1 LACS 2 LACS2 P33121</p>
Gene ID:	2180
UniProt:	P33121
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

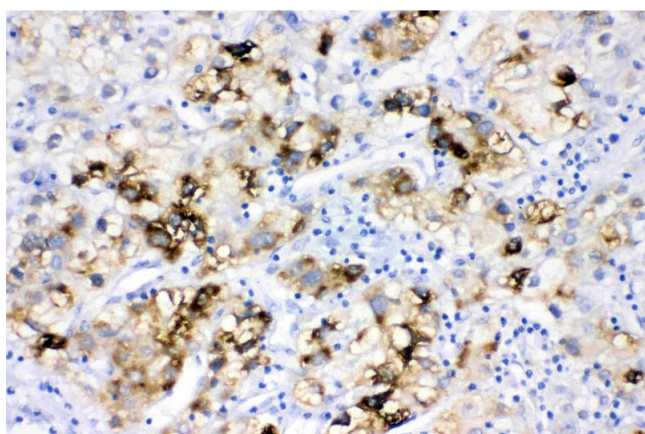
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

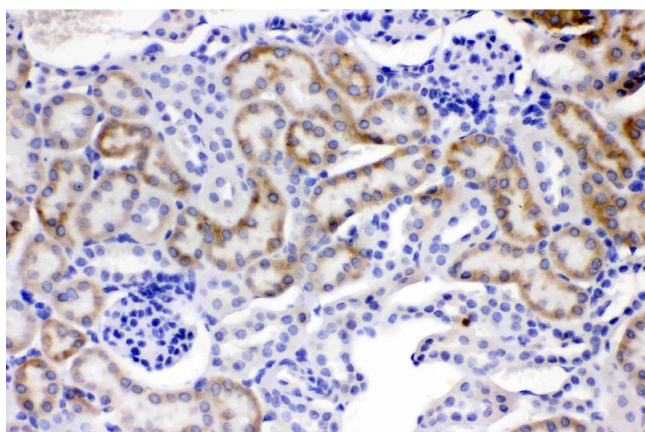
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



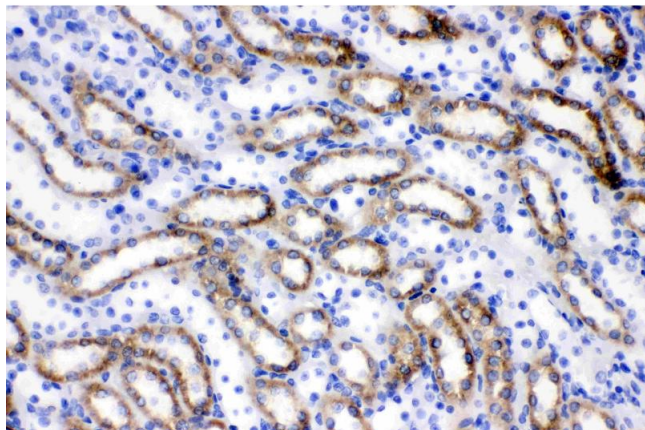
Immunohistochemistry

Image 1. ACSL1 was detected in paraffin-embedded sections of human liver cancer tissues using rabbit anti-ACSL1 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 2. ACSL1 was detected in paraffin-embedded sections of mouse kidney tissues using rabbit anti-ACSL1 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 3. ACSL1 was detected in paraffin-embedded sections of rat kidney tissues using rabbit anti- ACSL1 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN4886418.