

Datasheet for ABIN4886419

anti-Acsl3 antibody (AA 12-224)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Acsl3
Binding Specificity:	AA 12-224
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Long-chain-fatty-acid--CoA ligase 3(ACSL3) detection. Tested with WB in Human.
Immunogen:	E.coli-derived human ACSL3 recombinant protein (Position: M12-I224). Human ACSL3 shares 91.1% and 90.1% amino acid (aa) sequence identity with mouse and rat ACSL3, 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 3(ACSL3) detection. Tested with WB in Human.</p> <p>Gene Name: acyl-CoA synthetase long-chain family member 3</p> <p>Protein Name: Long-chain-fatty-acid--CoA ligase 3</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	Acsl3
Alternative Name:	ACSL3 (Acsl3 Products)
Background:	<p>Long-chain-fatty-acid-CoA ligase 3 is an enzyme that in humans is encoded by the ACSL3 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. This isozyme is highly expressed in brain, and preferentially utilizes myristate, arachidonate, and eicosapentaenoate as substrates. The amino acid sequence of this isozyme is 92 % identical to that of rat homolog. Two transcript variants encoding the same protein have been found for this gene.</p> <p>Synonyms: ACS3 Acsl3 FACL3 LACS 3 LACS3 PRO2194 O95573</p>
Gene ID:	2181
UniProt:	O95573
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human</p> <p>Notes: Tested Species: Species with positive results.</p> <p>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.
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
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	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



Western Blotting

Image 1. Western blot analysis of ACSL3 expression in HEPG2 whole cell lysates (Lane 1). ACSL3 at 80KD was detected using rabbit anti- ACSL3 Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).