

Datasheet for ABIN5002262

anti-ACSL4 antibody (AbBy Fluor® 680)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	ACSL4
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACSL4 antibody is conjugated to AbBy Fluor® 680
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FACL4/ACSL4
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Sheep, Pig, Horse, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	ACSL4
Alternative Name:	FACL4/ ACSL4 (ACSL4 Products)
Background:	Synonyms: ACS 4, ACS4, ACSL 4, Acsl4, ACSL4_HUMAN, acyl CoA synthetase 4, Acyl CoA synthetase long chain family member 4, FACL 4, FACL4, Fatty acid Coenzyme A ligase, fatty acid Coenzyme A ligase long-chain 4, LACS 4, LACS4, Lignoceroyl CoA synthase, Long chain 4, long chain acyl CoA synthetase 4, long chain fatty acid CoA ligase 4, long chain fatty acid

Target Details

Coenzyme A ligase 4, Long-chain acyl-CoA synthetase 4, Long-chain-fatty-acid-CoA ligase 4, MRX63, MRX68.

Background: Acyl-CoA synthetases, also known as long-chain fatty-acid CoA synthases (FACL) or palmitoyl-CoA ligases, include ACSL1-6, which are all single-pass membrane proteins localizing to the mitochondrion, microsome or peroxisome. FACL proteins are important for synthesis of cellular lipids and for α -oxidation degradation. Specifically, ACSL proteins catalyze the activation of long-chain fatty acids to acyl-CoAs, which can be metabolized to form CO₂, triacylglycerol (TAG), phospholipids (PL) and cholesteryl esters (CE). ACSL3 preferentially utilizes laurate, myristate, arachidonate and eicosapentaenoate among saturated and unsaturated long chain fatty acids. FACL3 is expressed as two isoforms in various tissues, including brain, heart, placenta, prostate, skeletal muscle, testis and thymus. FACL4 preferentially utilizes arachidonate and is abundant in steroidogenic tissues. FACL4 may modulate female fertility and uterine prostaglandin production.

Gene ID: 2182

Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 μ g/ μ L

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months