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## Datasheet for ABIN1714308 anti-ACSL4 antibody (AA 321-420)

### Overview

Quantity:	100 µL
Target:	ACSL4
Binding Specificity:	AA 321-420
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACSL4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### 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 ( <a href="#">ACSL4 Products</a> )
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

## Target Details

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 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  $\alpha$ -oxidation degradation. Specifically, ACSL proteins catalyze the activation of long-chain fatty acids to acyl-CoAs, which can be metabolized to form CO<sub>2</sub>, 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: WB 1:300-5000  
ELISA 1:500-1000

Restrictions: For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months