Datasheet for ABIN1450035

anti-ACSL1 antibody (Middle Region)

1 Image

Go to Product page

Overview

Quantity:	0.1 mg
Target:	ACSL1 (Acsl1)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACSL1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Rabbit polyclonal ACSL1 antibody was raised against an 18 amino acid peptide near the center of human ACSL1.
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	ACSL1 (Acsl1)
Alternative Name:	ACSL1 (Acsl1 Products)
Background:	Long-chain acyl coenzyme A synthetase 1 (ACSL1) catalyzes the synthesis of acyl-CoA from long-chain fatty acids in an ATP-dependent manner. ACSL1 is a member of a family of long-chain acyl-CoA synthetases which differ in substrate preference, tissue expression, and

Target Details

	subcellular localization. In mouse, ASCL1 is the major acyl-CoA enzyme in the heart, providing 60-90 % of heart ATP. Loss of ASCL1 either globally or in heart ventricles resulted in impaired fatty acid oxidation, activation of the mammalian target of rapamycin (mTOR), and cardiac hypertrophy.Synonyms: Acyl-CoA synthetase 1, FACL1, FACL2, LACS, LACS1, LACS2, Long-chain acyl-CoA synthetase 1, Long-chain acyl-CoA synthetase 2, Long-chain fatty acid-CoA ligase 2, Long-chain-fatty-acid--CoA ligase 1, Palmitoyl-CoA ligase 1, Palmitoyl-CoA ligase 2
Molecular Weight:	77 kDa
Gene ID:	2180
NCBI Accession:	NP_001986
Pathways:	Regulation of Lipid Metabolism by PPARalpha

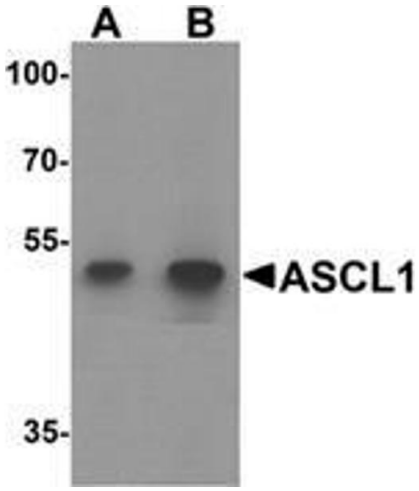
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % 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:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.

Copyright antibodies-online. All rights reserved.



Western Blotting

Image 1. Western blot analysis of ACSL1 in human lung tissue lysate with ACSL1 Antibody at (A) 1 and (B) 2 µg/ml.