Datasheet for ABIN5647452

anti-Acsl3 antibody (AA 12-1224)

1 Image

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Overview

Quantity:	100 µg
Target:	Acsl3
Binding Specificity:	AA 12-1224
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Acsl3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A human recombinant protein corresponding to amino acids M12-I224 was used as the immunogen for the ACSL3 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	Acsl3
Alternative Name:	ACSL3 / FACL3 (Acsl3 Products)
Background:	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

Target Details

	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.
UniProt:	O95573
Pathways:	SARS-CoV-2 Protein Interactome

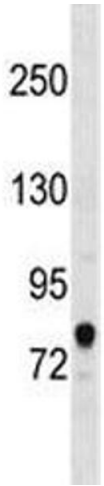
Application Details

Application Notes:	Optimal dilution of the ACSL3 antibody should be determined by the researcher.\. Western blot: 0.5-1 µg/mL
Restrictions:	For Research Use only

Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the ACSL3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of human HepG2 cell lysate with ACSL3 antibody at 0.5ug/ml. Predicted molecular weight ~80 kDa.