

Datasheet for ABIN5647680

anti-ACADVL antibody (AA 538-576)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	ACADVL
Binding Specificity:	AA 538-576
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	Amino acids 538-576 (RALEQFATVVEAKLIHKHKKGIVNEQFLLQRLADGAIDL) from the human protein were used as the immunogen for the ACADVL antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	ACADVL
Alternative Name:	ACADVL / VLCAD (ACADVL Products)
Background:	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial (VLCAD) is an enzyme that in humans is encoded by the ACADVL gene. The protein encoded by this gene is targeted to the inner mitochondrial membrane, where it catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. This acyl-Coenzyme A dehydrogenase is specific to long-chain and

Target Details

very-long-chain fatty acids. A deficiency in this gene product reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy. Alternative splicing results in multiple transcript variants encoding different isoforms.

UniProt:	P49748
Pathways:	ER-Nucleus Signaling , Monocarboxylic Acid Catabolic Process

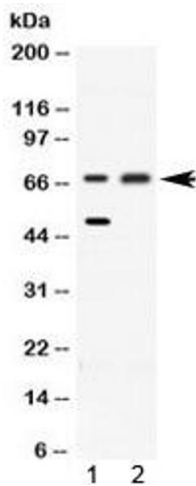
Application Details

Application Notes:	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 ACADVL 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 1) rat liver and 2) HeLa lysate with ACADVL antibody at 0.5ug/ml. Predicted molecular weight: 68-70 kDa.