Datasheet for ABIN4886415

anti-ACADVL antibody (C-Term)

1 Image

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Overview

Quantity:	100 µg
Target:	ACADVL
Binding Specificity:	AA 538-576, C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACADVL antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunoprecipitation (IP), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ACADVL Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human ACADVL, different from the related mouse sequence by three amino acids, and from the related rat sequence by two amino acids.
Sequence:	RALEQFATVV EAKLIKHKKG IVNEQFLLQR LADGAIDLY
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ACADVL Antibody Picoband® (ABIN4886415). Tested in Flow Cytometry, IP, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals

Product Details

	with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ACADVL
Alternative Name:	ACADVL (ACADVL Products)
Background:	Synonyms: Very long-chain specific acyl-CoA dehydrogenase, mitochondrial,VLCAD,1.3.8.9,ACADVL,VLCAD, 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 dehydrogenaseis specific to long-chain and 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.
Molecular Weight:	70 kDa
Gene ID:	37
UniProt:	P49748
Pathways:	ER-Nucleus Signaling, Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Human, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunoprecipitation, 0.5-2 µg/mL, Human Flow Cytometry(Fixed), 1-3 µg/1x10^6 cells, Human 1. Andresen BS, Olpin S, Poorthuis BJ, Scholte HR, Vianey-Saban C, Wanders R, Ijlst L, Morris A, Pourfarzam M, Bartlett K, Baumgartner ER, deKlerk JB, Schroeder LD, Corydon TJ, Lund H, Winter V, Bross P, Bolund L, Gregersen N (Feb 1999). "Clear correlation of genotype with disease phenotype in very-long-chain acyl-CoA dehydrogenase deficiency". American Journal of Human Genetics 64 (2): 479-94. 2. Strauss AW, Powell CK, Hale DE, Anderson MM, Ahuja A,

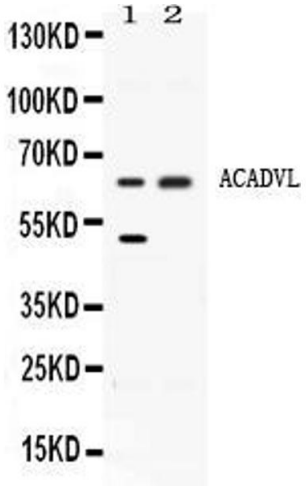
Application Details

	Brackett JC, Sims HF (Nov 1995). "Molecular basis of human mitochondrial very-long-chain acyl-CoA dehydrogenase deficiency causing cardiomyopathy and sudden death in childhood". Proceedings of the National Academy of Sciences of the United States of America 92 (23): 10496-500.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of ACADVL expression in rat liver extract (Lane 1) and HELA whole cell lysates (Lane 2). ACADVL at 66KD was detected using rabbit anti- ACADVL Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).