abcam

Product datasheet

Anti-ACADL/LCAD antibody ab129711

8 References 1 Image

Overview

Product name	Anti-ACADL/LCAD antibody
Description	Rabbit polyclonal to ACADL/LCAD
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to Human ACADL/LCAD.
Positive control	Rat kidney tissue lysate, Mouse 3T3 cell lysate and Jurkat whole cell lysate (**ab7899**)
General notes	This product is manufactured by BioVision, an Abcam company and was previously called 3139 ACADL Antibody. 3139-100 is the same size as the 100 µg size of ab129711. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 69% PBS, 30% Glycerol (glycerin, glycerine), 0.5% BSA, 0.15% EDTA
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab129711 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 4 µg/ml. Predicted molecular weight: 47 kDa.

Target

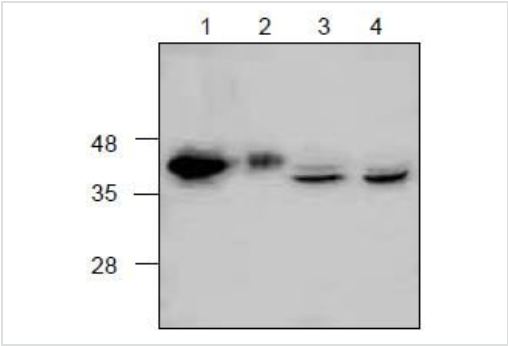
Pathway Lipid metabolism; mitochondrial fatty acid beta-oxidation.

Involvement in disease Defects in ACADL are a cause of acyl-CoA dehydrogenase very long-chain deficiency (ACADVLD) [MIM:201475]. An inborn error of mitochondrial fatty acid beta-oxidation which leads to impaired long-chain fatty acid beta-oxidation. It is clinically heterogeneous, with three major phenotypes: a severe childhood form characterized by early onset, high mortality and high incidence of cardiomyopathy; a milder childhood form with later onset, characterized by hypoketotic hypoglycemia, low mortality and rare cardiomyopathy; an adult form, with isolated skeletal muscle involvement, rhabdomyolysis and myoglobinuria, usually triggered by exercise or fasting.

Sequence similarities Belongs to the acyl-CoA dehydrogenase family.

Cellular localization Mitochondrion matrix.

Images



Western blot - Anti-ACADL/LCAD antibody (ab129711)

All lanes : Anti-ACADL/LCAD antibody (ab129711) at 4 µg/ml

Lane 1 : Rat kidney tissue lysate

Lane 2 : Mouse 3T3 cell lysate

Lanes 3-4 : Jurkat cell lysate

Predicted band size: 47 kDa

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