


Product datasheet

Anti-ACADS/SCAD antibody [EPR10861(B)] ab154823

Recombinant RabMAb

[8 References](#) [3 Images](#)

Overview

Product name	Anti-ACADS/SCAD antibody [EPR10861(B)]
Description	Rabbit monoclonal [EPR10861(B)] to ACADS/SCAD
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa; HepG2 and 293T cell lysates; Human fetal heart and liver tissue lysates; 293T cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR10861(B)

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab154823 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
Flow Cyt (Intra)		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 44 kDa.

Application notes

Is unsuitable for ICC/IF, IHC-P or IP.

Target

Pathway

Lipid metabolism; mitochondrial fatty acid beta-oxidation.

Involvement in disease

Defects in ACADS are the cause of acyl-CoA dehydrogenase short-chain deficiency (ACADSD) [MIM:201470]. It is an autosomal recessive disorder resulting in acute acidosis and muscle weakness in infants, and a form of lipid-storage myopathy in adults.

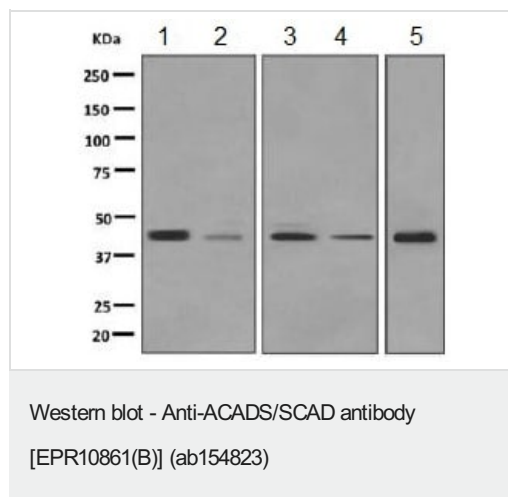
Sequence similarities

Belongs to the acyl-CoA dehydrogenase family.

Cellular localization

Mitochondrion matrix.

Images



All lanes : Anti-ACADS/SCAD antibody [EPR10861(B)] (ab154823) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : HepG2 cell lysate

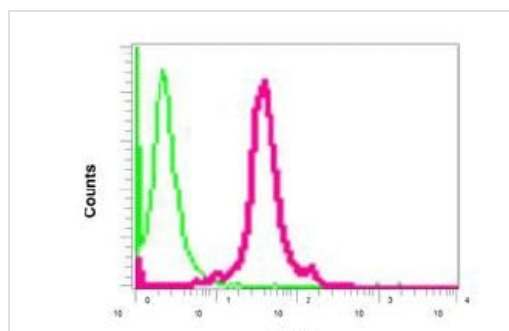
Lane 3 : 293T cell lysate

Lane 4 : Human fetal heart tissue lysate

Lane 5 : Human fetal liver tissue lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 44 kDa



Intracellular flow cytometric analysis of permeabilized 293T cells labeling ACADS/SCAD using ab154823 (red) at 1/10 dilution, or rabbit IgG (negative) (green).

Flow Cytometry (Intracellular) - Anti-ACADS/SCAD antibody [EPR10861(B)] (ab154823)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-ACADS/SCAD antibody [EPR10861(B)]
(ab154823)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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