

Product datasheet

Anti-ACADS/SCAD antibody [EPR10862(B)] ab156571

Recombinant RabMAb

★★★★★ [2 Abreviews](#) [4 References](#) [10 Images](#)

Overview

Product name	Anti-ACADS/SCAD antibody [EPR10862(B)]
Description	Rabbit monoclonal [EPR10862(B)] to ACADS/SCAD
Host species	Rabbit
Specificity	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
Tested applications	Suitable for: WB, IHC-P, IP Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa, Mouse liver, and Rat kidney lysates. IHC-P: human hepatocellular carcinoma, Human heart and Human thyroid gland tissues tissue. IP: Human liver 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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR10862(B)

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab156571 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	★★★★★ (1)	1/1000 - 1/10000. Detects a band of approximately 41 kDa (predicted molecular weight: 44 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat. See <u>IHC antigen retrieval protocols</u> .
IP		1/10 - 1/100.

Application notes

Is unsuitable for Flow Cyt or ICC/IF.

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.

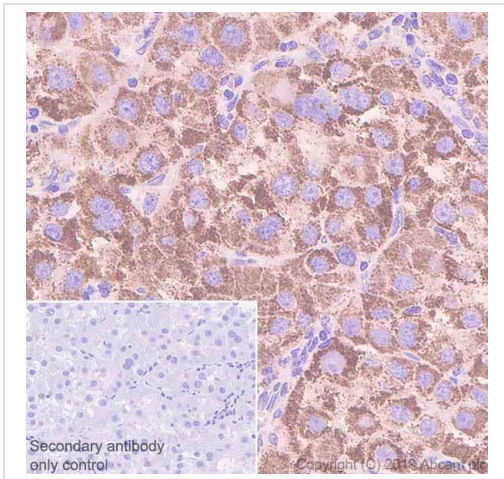
Sequence similarities

Belongs to the acyl-CoA dehydrogenase family.

Cellular localization

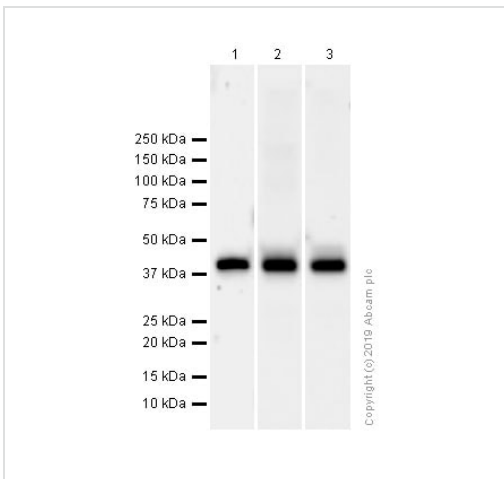
Mitochondrion matrix.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACADS/SCAD antibody [EPR10862(B)] (ab156571)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human hepatocellular carcinoma tissue sections labeling ACADS/SCAD with Purified ab156571 at 1:100 dilution (3.76 µg/ml). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). Purified ImmunoHistoProbe one step HRP Polymer (ready to use) was used for detection. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Western blot - Anti-ACADS/SCAD antibody [EPR10862(B)] (ab156571)

All lanes : Anti-ACADS/SCAD antibody [EPR10862(B)] (ab156571) at 1/1000 dilution (Purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2 : Mouse liver lysates

Lane 3 : Rat kidney lysates

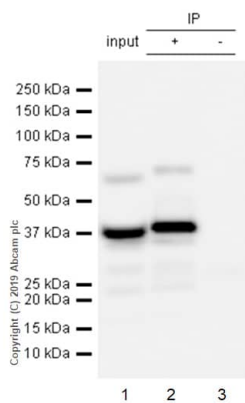
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 44 kDa

Observed band size: 41 kDa



Immunoprecipitation - Anti-ACADS/SCAD antibody [EPR10862(B)] (ab156571)

ab156571 (Purified) at 1:20 dilution (2 µg) immunoprecipitating ACADS/SCAD in Human liver lysate.

Lane 1 (input): Human liver lysate 10 µg

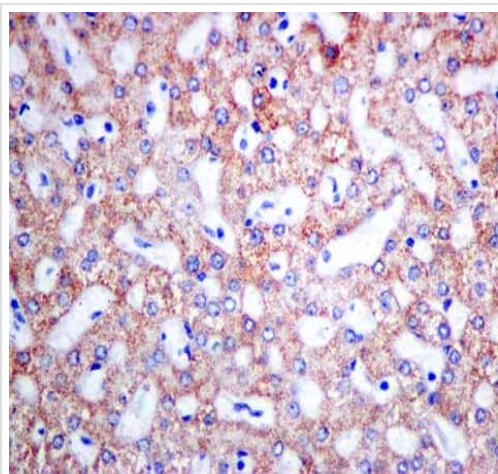
Lane 2 (+): ab156571 & Human liver lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab156571 in Human liver lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP)

(**ab131366**) was used at 1:1000 dilution.

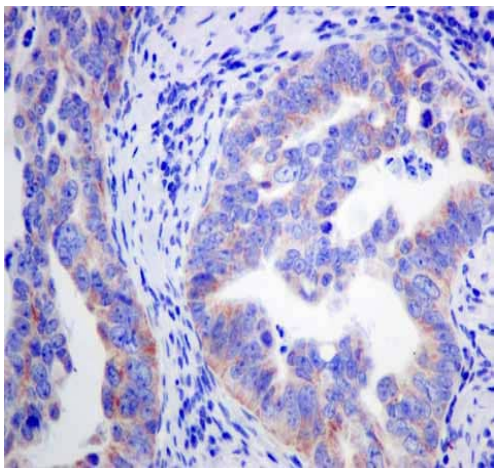
Blocking and diluting buffer: 5% NFDm/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACADS/SCAD antibody [EPR10862(B)] (ab156571)

ab156571 showing +ve staining in Human normal liver.

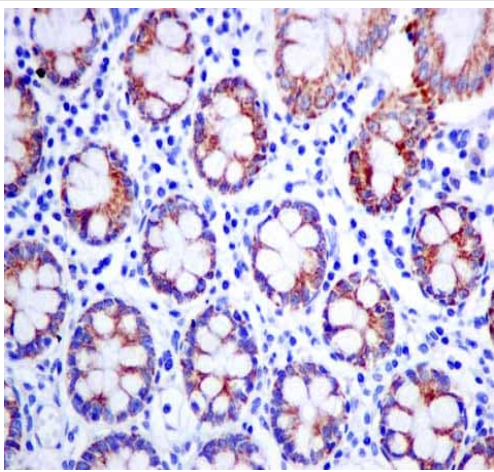
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACADS/SCAD antibody [EPR10862(B)] (ab156571)

ab156571 showing +ve staining in Human gastric adenocarcinoma.

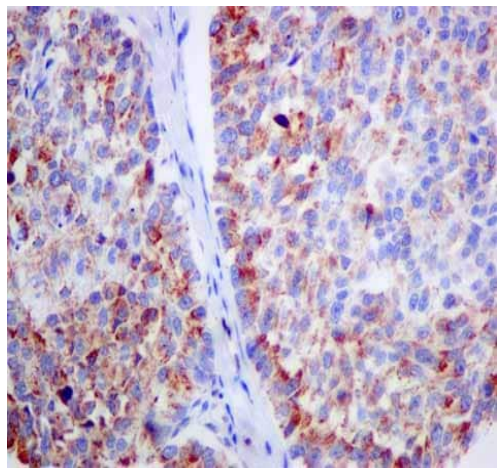
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACADS/SCAD antibody [EPR10862(B)] (ab156571)

ab156571 showing +ve staining in Human normal colon.

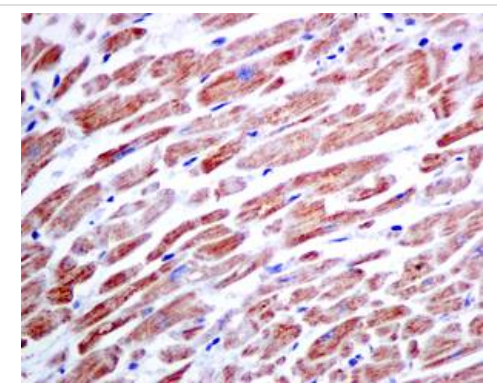
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACADS/SCAD antibody [EPR10862(B)] (ab156571)

ab156571 showing +ve staining in Human urinary bladder carcinoma.

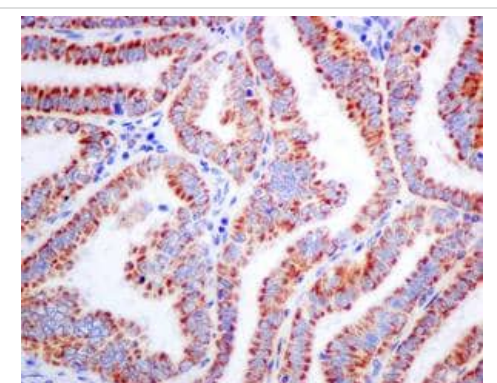
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACADS/SCAD antibody [EPR10862(B)] (ab156571)

Immunohistochemical analysis of paraffin embedded Human heart tissue labeling ACADS/SCAD with ab156571 antibody at 1/50.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACADS/SCAD antibody [EPR10862(B)] (ab156571)

Immunohistochemical analysis of paraffin embedded Human thyroid gland tissue labeling ACADS/SCAD with ab156571 antibody at 1/50.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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 [EPR10862(B)]
(ab156571)

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

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