

Anti-ACADS/SCAD antibody [7E1AB5] ab110318

画像数 3

製品の概要

製品名	Anti-ACADS/SCAD antibody [7E1AB5]
製品の詳細	Mouse monoclonal [7E1AB5] to ACADS/SCAD
由来種	Mouse
アプリケーション	適用あり: WB, ICC/IF, IHC-P
種交差性	交差種: Human
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Fibroblast, HeLa, HepG2. Human Heart FFPE tissue.
特記事項	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>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.</p> <p>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</p> <p>Product was previously marketed under the MitoSciences sub-brand.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: HEPES buffered saline
精製度	Proprietary Purification
特記事項 (精製)	The antibody was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation. Purity >95% by SDS-PAGE.
ポリ/モノ	モノクローナル

クローン名 7E1AB5
 アイソタイプ IgG1
 軽鎖の種類 kappa

アプリケーション

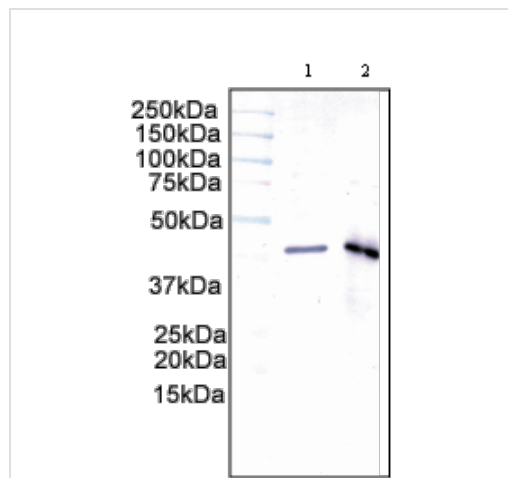
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab110318の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 44 kDa.
ICC/IF		Use a concentration of 1 µg/ml.
IHC-P		Use a concentration of 5 µg/ml.

ターゲット情報

パスウェイ Lipid metabolism; mitochondrial fatty acid beta-oxidation.
関連疾患 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.
配列類似性 Belongs to the acyl-CoA dehydrogenase family.
細胞内局在 Mitochondrion matrix.

画像



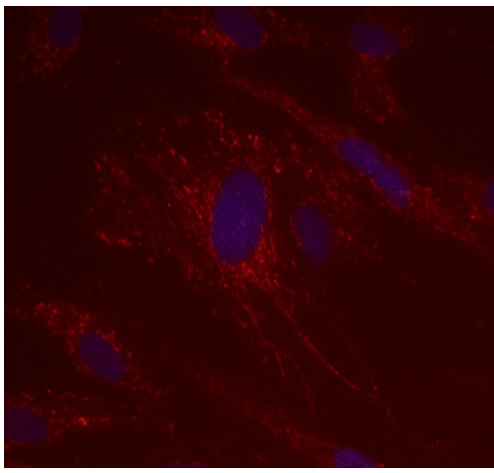
All lanes : Anti-ACADS/SCAD antibody [7E1AB5] (ab110318) at 1 µg/ml

Lane 1 : HepG2 whole cell cells at 10 µg

Lane 2 : ACADS at 0.01 µg

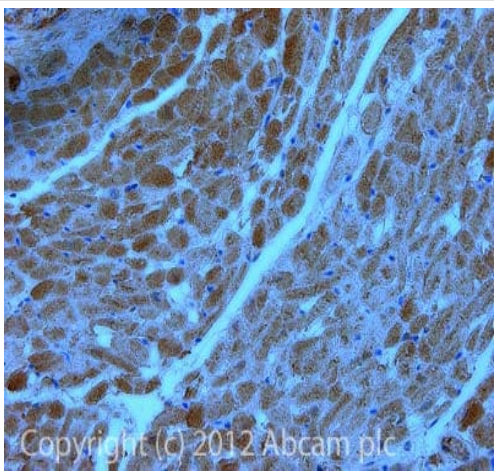
Predicted band size: 44 kDa

Western blot - Anti-ACADS/SCAD antibody
 [7E1AB5] (ab110318)



Immunocytochemistry/ Immunofluorescence - Anti-ACADS/SCAD antibody [7E1AB5] (ab110318)

Immunocytochemistry image of stained human fibroblasts. The cells were paraformaldehyde fixed (4%, 20 minutes) and Triton X-100 permeabilized (0.1%, 15 minutes). The cells were incubated with the ab110318 (1 µg/ml) for 2 hours at room temperature or overnight at 4°C. The secondary antibody was (red) Alexa Fluor® 594 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1 hour. 10% Goat serum was used as the blocking agent for all blocking steps. The target protein localizes to the mitochondrial matrix.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACADS/SCAD antibody [7E1AB5] (ab110318)

IHC image of ACADS/SCAD staining in Human heart formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab110318, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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