

Anti-ACSS2 antibody [EPR8500] ab133664

KO 評価済 リコンビナント RabMAb

★★★★★ **1 Abreviews** **4 References** 画像数 6

製品の概要

製品名	Anti-ACSS2 antibody [EPR8500]
製品の詳細	Rabbit monoclonal [EPR8500] to ACSS2
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB 適用なし: Flow Cyt, IHC-P or IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Wild-type HAP1, U-87 MG, HepG2, Caco 2 and fetal liver lysates, Mouse and Rat brain lysate; ICC/IF: Caco 2 and HepG2 cells
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR8500
アイソタイプ	IgG

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ab133664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確認ください。

アプリケーション	Abreviews	特記事項
ICC/IF		1/100 - 1/250.
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 79 kDa.

追加情報

Is unsuitable for Flow Cyt, IHC-P or IP.

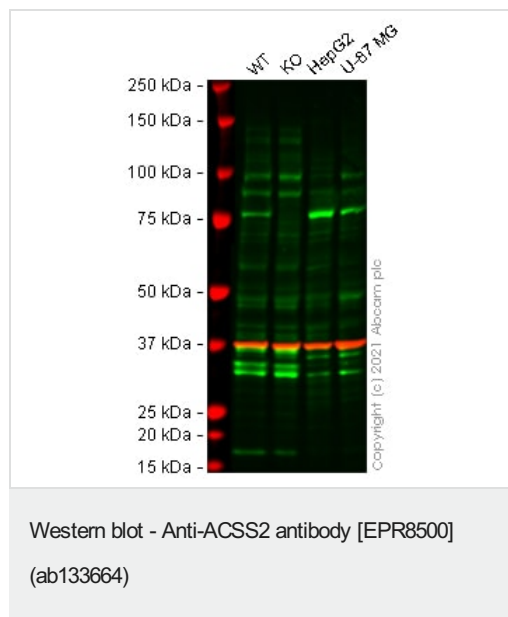
ターゲット情報

機能 Activates acetate so that it can be used for lipid synthesis or for energy generation.

配列類似性 Belongs to the ATP-dependent AMP-binding enzyme family.

細胞内局在 Cytoplasm.

画像



All lanes : Anti-ACSS2 antibody [EPR8500] (ab133664) at 1/1000 dilution

Lane 1 : Wild-type HAP1 cell lysate at 40 µg

Lane 2 : ACSS2 knockout HAP1 cell lysate at 40 µg

Lane 3 : HepG2 cell lysate at 20 µg

Lane 4 : U-87 MG cell lysate at 20 µg

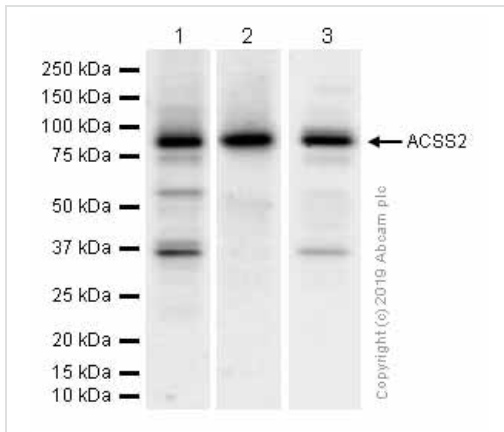
Performed under reducing conditions.

Predicted band size: 79 kDa

Observed band size: 75 kDa

False colour image of Western blot: Anti-ACSS2 antibody [EPR8500] staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab133664 was shown to bind specifically to ACSS2. A band was observed at 75 kDa in wild-type HAP1 cell lysates with no signal observed at this size in ACSS2 knockout cell line HAP1. To generate this image,

wild-type and ACSS2 knockout HAP1 cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 5 % milk in TBS-0.1 % Tween[®] 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye[®] 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye[®] 680RD) preabsorbed (**ab216776**) at 1/20000 dilution.



Western blot - Anti-ACSS2 antibody [EPR8500] (ab133664)

All lanes : Anti-ACSS2 antibody [EPR8500] (ab133664) at 1/1000 dilution (Purified)

Lane 1 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell) whole cell lysates

Lane 2 : Mouse brain lysates

Lane 3 : Rat brain lysates

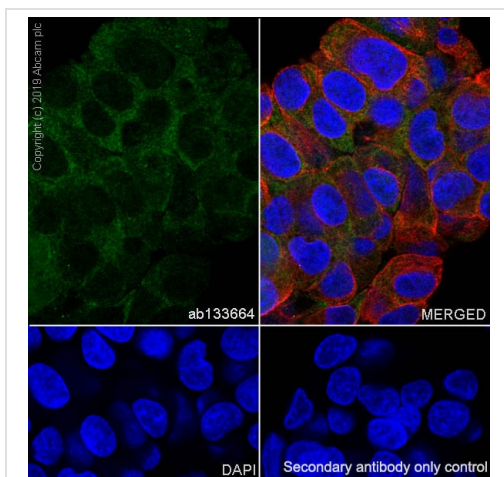
Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

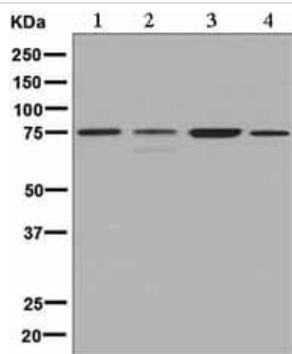
Predicted band size: 79 kDa

Observed band size: 78 kDa



Immunocytochemistry/ Immunofluorescence - Anti-ACSS2 antibody [EPR8500] (ab133664)

Immunocytochemistry/ Immunofluorescence analysis of HepG2 (Human hepatocellular carcinoma epithelial cell) cells labeling ACSS2 with purified ab133664 at 1:200 dilution (8.5 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor[®] 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor[®] 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-ACSS2 antibody [EPR8500]
(ab133664)

All lanes : Anti-ACSS2 antibody [EPR8500] (ab133664) at 1/1000 dilution (Unpurified)

Lane 1 : U87 MG lysate

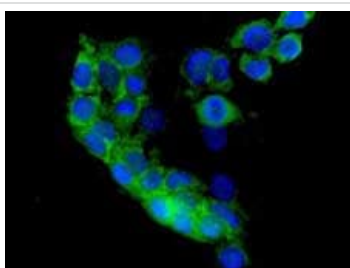
Lane 2 : HepG2 lysate

Lane 3 : Caco 2 lysate

Lane 4 : Fetal liver lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 79 kDa



Immunocytochemistry/ Immunofluorescence - Anti-
ACSS2 antibody [EPR8500] (ab133664)

Immunofluorescence analysis of ACSS2 in Caco 2 cells labelled with unpurified ab133664 at a 1/100 dilution.

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-ACSS2 antibody [EPR8500] (ab133664)

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

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