

Anti-ACADM/MCAD antibody [EPR3708] ab92461

リコンビナント **RabMAb**

★★★★★ **7 Abreviews** **23 References** 画像数 13

製品の概要

製品名	Anti-ACADM/MCAD antibody [EPR3708]
製品の詳細	Rabbit monoclonal [EPR3708] to ACADM/MCAD
由来種	Rabbit
アプリケーション	適用あり: WB, IP, IHC-P, ICC/IF, Flow Cyt (Intra)
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human ACADM/MCAD aa 200-300. The exact sequence is proprietary.
ポジティブ・コントロール	WB: Human heart or fetal liver tissue lysates; HeLa, HepG2, or K562 cell lysates; IHC-P: Human liver, mouse liver, and rat stomach tissues; ICC/IF: HeLa cells; IP: Mouse heart lysate; Flow Cyt (intra): HeLa cells.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR3708

アイソタイプ

IgG

アプリケーション

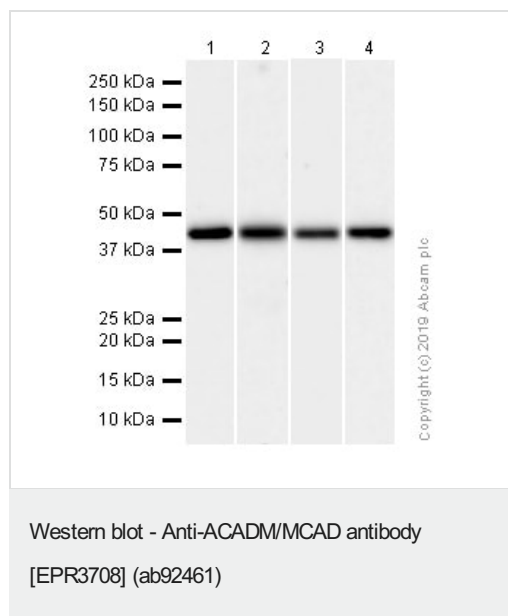
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab92461の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (2)	1/10000 - 1/50000. Predicted molecular weight: 47 kDa.
IP		1/10 - 1/100.
IHC-P	★★★★★ (1)	1/600. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See IHC antigen retrieval protocols . For unpurified use at 1/100 - 1/250.
ICC/IF	★★★★★ (2)	1/50 - 1/250.
Flow Cyt (Intra)		1/60.

ターゲット情報

機能	This enzyme is specific for acyl chain lengths of 4 to 16.
パスウェイ	Lipid metabolism; mitochondrial fatty acid beta-oxidation.
関連疾患	Defects in ACADM are the cause of acyl-CoA dehydrogenase medium-chain deficiency (ACADM) [MIM:201450]. It is an autosomal recessive disease which causes fasting hypoglycemia, hepatic dysfunction, and encephalopathy, often resulting in death in infancy.
配列類似性	Belongs to the acyl-CoA dehydrogenase family.
細胞内局在	Mitochondrion matrix.

画像



All lanes : Anti-ACADM/MCAD antibody [EPR3708] (ab92461) at 1/10000 dilution (Purified)

Lane 1 : K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysates

Lane 2 : Human heart lysates

Lane 3 : Mouse heart lysates

Lane 4 : Rat heart lysates

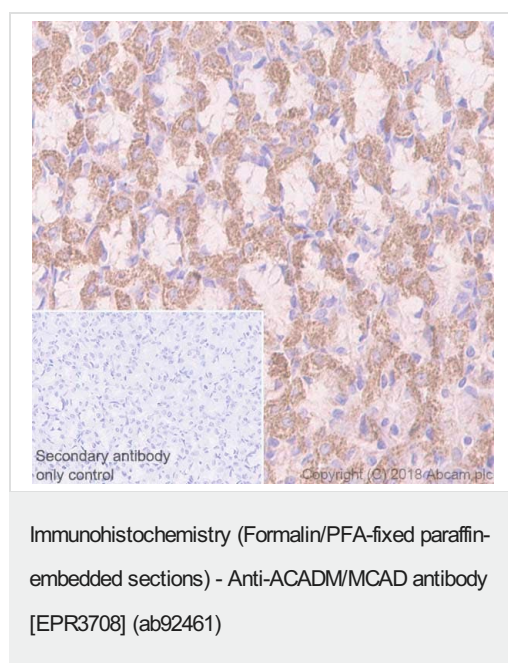
Lysates/proteins at 20 µg per lane.

Secondary

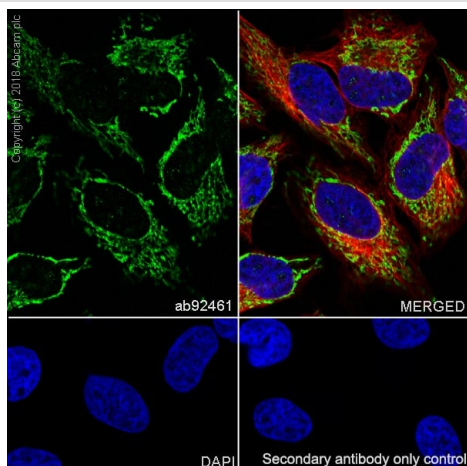
All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 47 kDa

Observed band size: 43 kDa

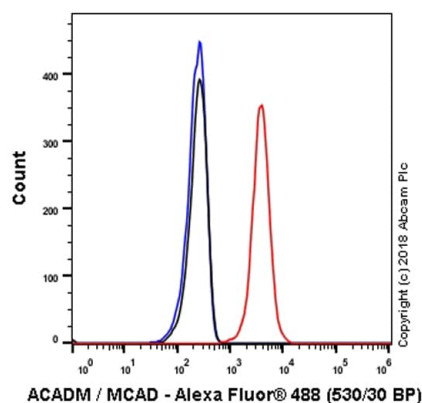


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat stomach tissue sections labeling ACADM/MCAD with purified ab92461 at 1/600 dilution (1.02 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



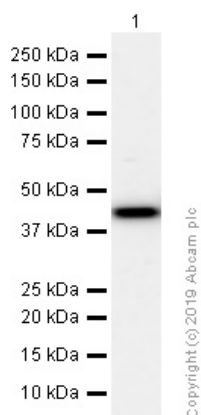
Immunocytochemistry/ Immunofluorescence - Anti-ACADM/MCAD antibody [EPR3708] (ab92461)

Immunocytochemistry/ Immunofluorescence analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling ACADM/MCAD with purified ab92461 at 1:50 dilution (10 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.



Flow Cytometry (Intracellular) - Anti-ACADM/MCAD antibody [EPR3708] (ab92461)

Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling ACADM/MCAD with purified ab92461 at 1/60 dilution (10 µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Western blot - Anti-ACADM/MCAD antibody
[EPR3708] (ab92461)

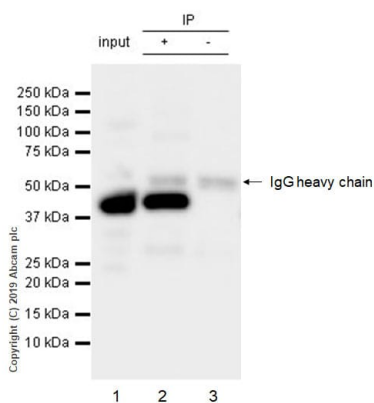
Anti-ACADM/MCAD antibody [EPR3708] (ab92461) at 1/10000 dilution (Purified) + HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates at 15 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 47 kDa

Observed band size: 43 kDa



Immunoprecipitation - Anti-ACADM/MCAD antibody
[EPR3708] (ab92461)

ab92461 (purified) at 1/30 dilution (2 µg) immunoprecipitating
ACADM/MCAD in Mouse heart lysate.

Lane 1 (input): Mouse heart lysate 10 µg

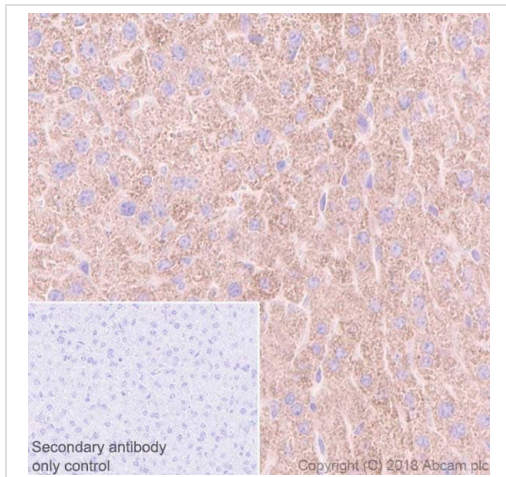
Lane 2 (+): ab92461 & Mouse heart lysate

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab92461
in Mouse heart lysate

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

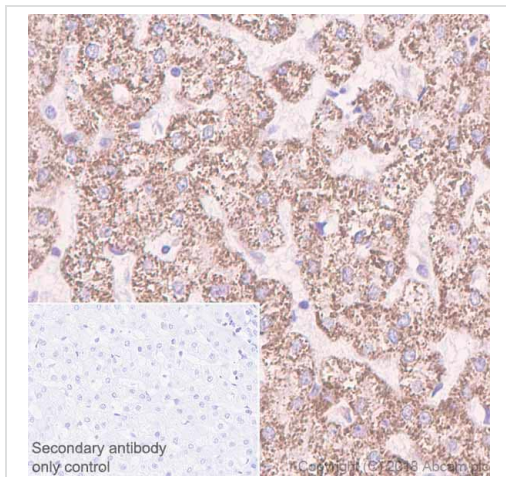
([ab131366](#)) was used at 1/1000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST.



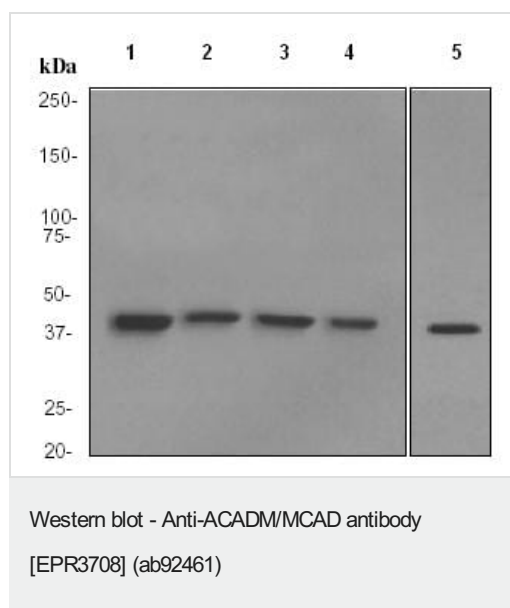
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACADM/MCAD antibody [EPR3708] (ab92461)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse liver tissue sections labeling ACADM/MCAD with purified ab92461 at 1/600 dilution (1.02 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACADM/MCAD antibody [EPR3708] (ab92461)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue sections labeling ACADM/MCAD with purified ab92461 at 1/600 dilution (1.02 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



All lanes : Anti-ACADM/MCAD antibody [EPR3708] (ab92461) at 1/10000 dilution (unpurified)

Lane 1 : Human heart lysate

Lane 2 : fetal liver lysate

Lane 3 : HeLa cell lysate

Lane 4 : HepG2 cell lysate

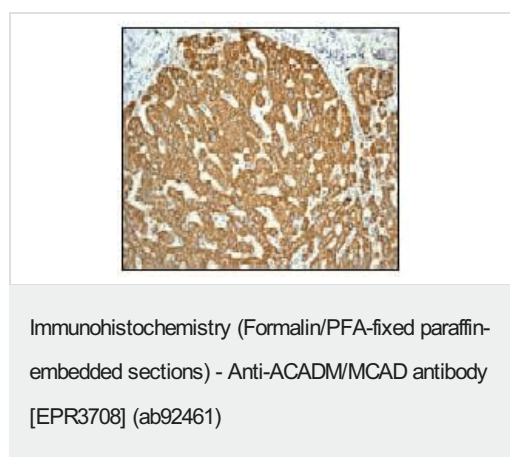
Lane 5 : K562 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

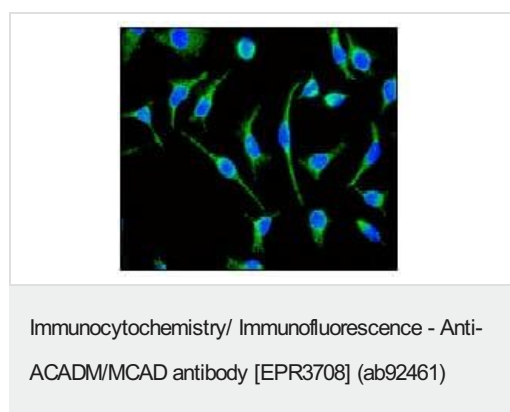
All lanes : HRP conjugated Goat anti-Rabbit Ig at 1/2000 dilution

Predicted band size: 47 kDa

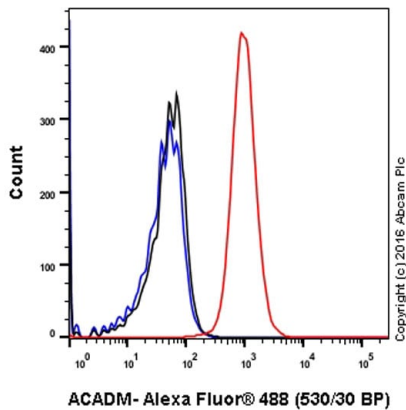


ab92461 (unpurified), at 1/100 dilution, staining ACADM/MCAD in formalin-fixed, paraffin-embedded Human liver tissue by immunohistochemistry.

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



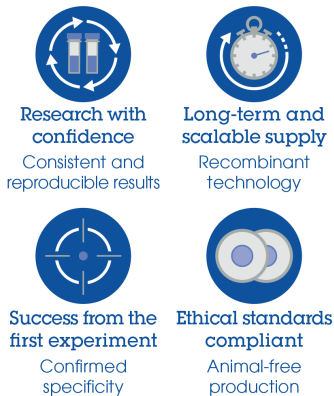
Immunofluorescent staining of ACADM/MCAD in HeLa cells using ab92461 (unpurified) at 1/100 dilution.



Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling ACADM/MCAD with unpurified ab92461 at 1/50 dilution (10ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) was used as the unlabeled control.

Flow Cytometry (Intracellular) - Anti-ACADM/MCAD antibody [EPR3708] (ab92461)

Why choose a recombinant antibody?



Anti-ACADM/MCAD antibody [EPR3708] (ab92461)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise,

please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors