abcam

Product datasheet

Anti-ACADM/MCAD antibody [EPR3708] ab92461

重组 RabMAb

★★★★★ 7 Abreviews 23 References 13 图像

概述

产品名称	Anti-ACADM/MCAD抗体[EPR3708]
描述	兔单克隆抗体[EPR3708] to ACADM/MCAD
宿主	Rabbit
经测试应用	**适用于:** WB, IP, IHC-P, ICC/IF, Flow Cyt (Intra)
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide within Human ACADM/MCAD aa 200-300. The exact sequence is proprietary.
阳性对照	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.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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**.

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR3708

同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab92461于以下的经测试应用

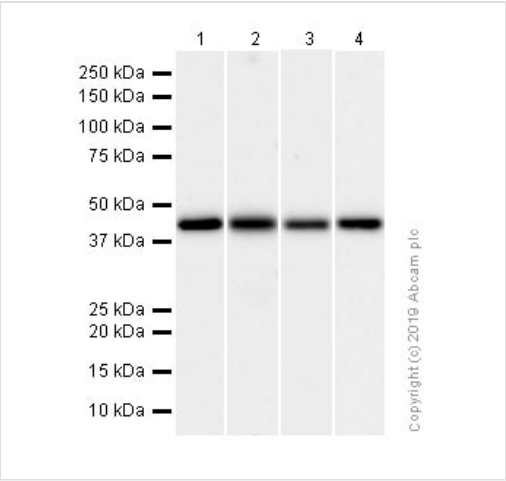
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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.

靶标

功能	This enzyme is specific for acyl chain lengths of 4 to 16.
通路	Lipid metabolism; mitochondrial fatty acid beta-oxidation.
疾病相关	Defects in ACADM are the cause of acyl-CoA dehydrogenase medium-chain deficiency (ACADMD) [MIM:201450]. It is an autosomal recessive disease which causes fasting hypoglycemia, hepatic dysfunction, and encephalopathy, often resulting in death in infancy.
序列相似性	Belongs to the acyl-CoA dehydrogenase family.
细胞定位	Mitochondrion matrix.

图片



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

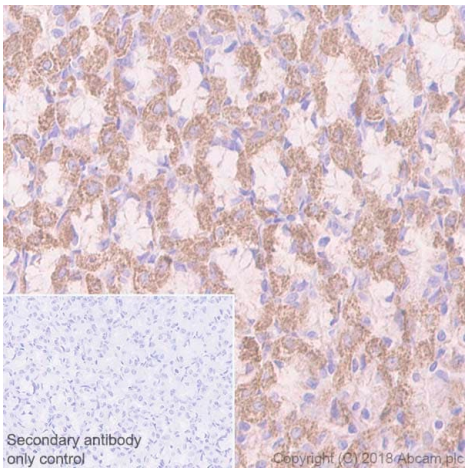
All lanes : Anti-ACADM/MCAD antibody [EPR3708] (ab92461) at 1/10000 dilution (Purified)

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.

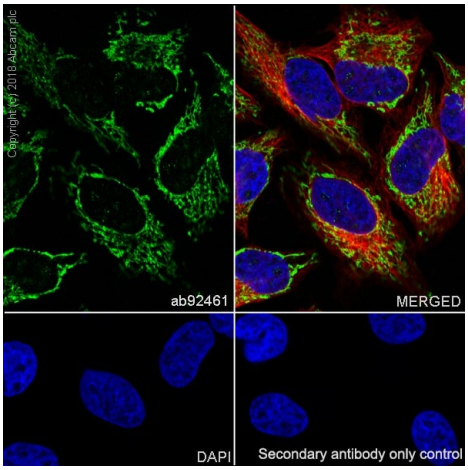
Secondary
All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 47 kDa
Observed band size: 43 kDa



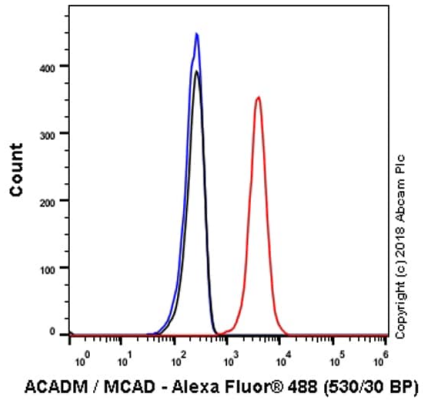
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACADM/MCAD antibody [EPR3708] (ab92461)

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.



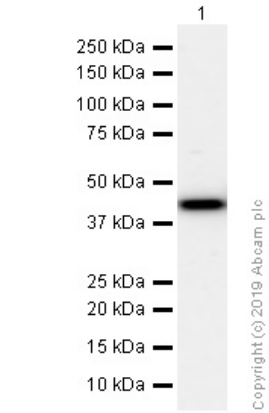
Immunocytochemistry/ Immunofluorescence - Anti-ACADM/MCAD antibody [EPR3708] (ab92461)

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)

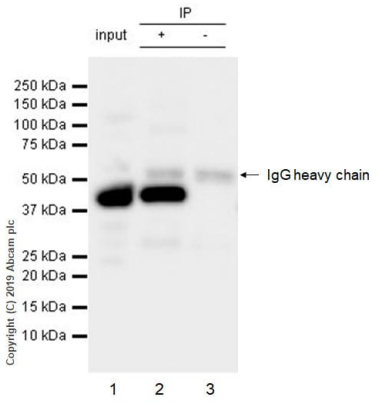
Anti-ACADM/MCAD antibody [EPR3708] (ab92461) at 1/10000 dilution (Purified) + HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates at 15 µg

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.

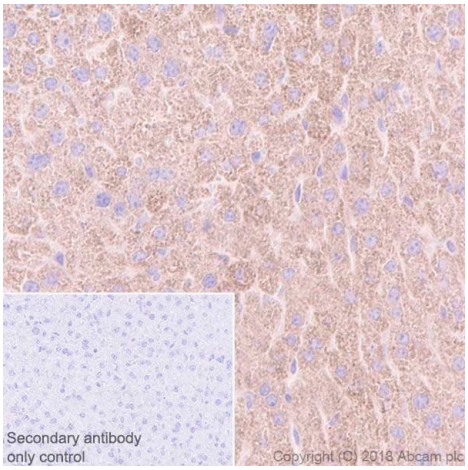
Lane 1 (input): Mouse heart lysate 10 µg

Lane 2 (+): ab92461 & Mouse heart lysate

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

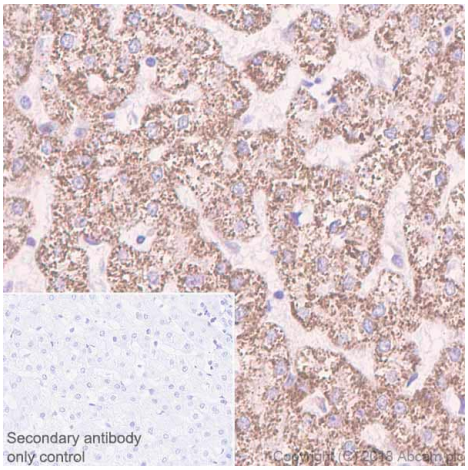
For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/1000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST.



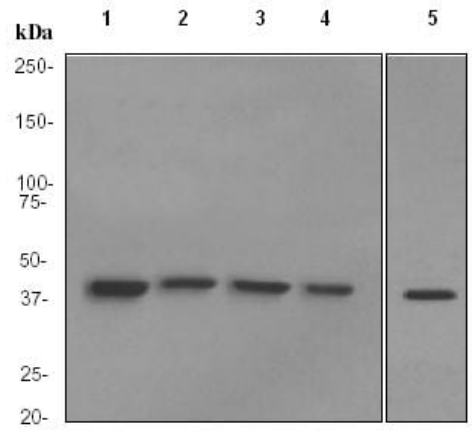
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACADM/MCAD antibody [EPR3708] (ab92461)

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.



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

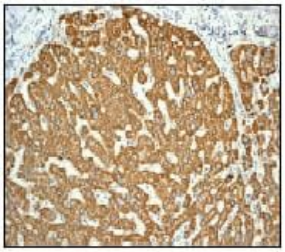
All lanes : Anti-ACADM/MCAD antibody [EPR3708] (ab92461) at 1/10000 dilution (unpurified)

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

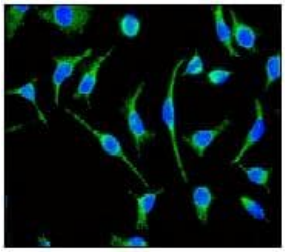
Predicted band size: 47 kDa



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

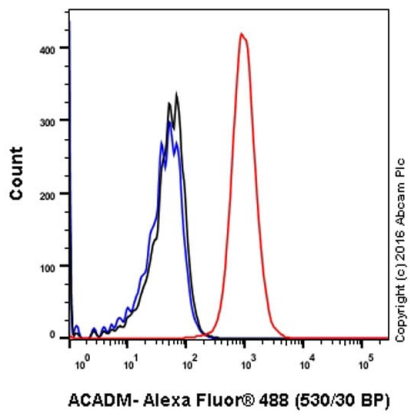
ab92461 (unpurified), at 1/100 dilution, staining ACADM/MCAD in formalin-fixed, paraffin-embedded Human liver tissue by immunohistochemistry.

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



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

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



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

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.

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

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