abcam

Product datasheet

Anti-ACSL1 antibody [EPR13498] ab178419

敲除验证 重组 RabMAb

1 References 6 图像

概述

产品名称	Anti-ACSL1抗体[EPR13498]
描述	兔单克隆抗体[EPR13498] to ACSL1
宿主	Rabbit
经测试应用	**适用于:** IHC-P, WB **不适用于:** Flow Cyt or IP
种属反应性	**与反应:** Human **不与反应:** Mouse, Rat
免疫原	Synthetic peptide within Human ACSL1 aa 100-200 (Cysteine residue). The exact sequence is proprietary. Database link: **P33121**
阳性对照	Human fetal liver, heart and kidney lysates; HeLa and HepG2 cell lysates; Human heart, kidney and liver tissue.
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: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	EPR13498
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab178419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。

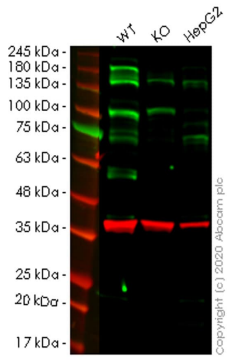
应用	Ab评论	说明
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		1/1000 - 1/5000. Predicted molecular weight: 78 kDa.

应用说明 Is unsuitable for Flow Cyt or IP.

靶标

功能	Activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. Preferentially uses palmitoleate, oleate and linoleate.
组织特异性	Highly expressed in liver, heart, skeletal muscle, kidney and erythroid cells, and to a lesser extent in brain, lung, placenta and pancreas.
序列相似性	Belongs to the ATP-dependent AMP-binding enzyme family.
发展阶段	Expressed during the early stages of erythroid development while expression is very low in reticulocytes and young erythrocytes.
细胞定位	Mitochondrion outer membrane. Peroxisome membrane. Microsome membrane. Endoplasmic reticulum membrane.

图片



Western blot - Anti-ACSL1 antibody [EPR13498] (ab178419)

All lanes : Anti-ACSL1 antibody [EPR13498] (ab178419) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate
Lane 2 : ACSL1 knockout HeLa cell lysate
Lane 3 : HepG2 cell lysate

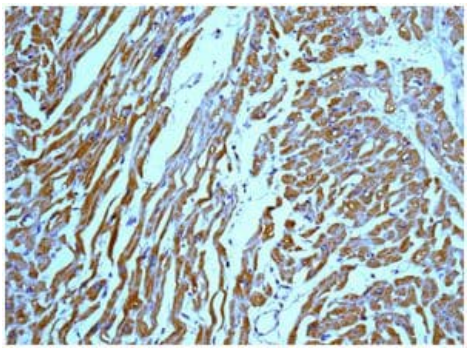
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 78 kDa
Observed band size: 78 kDa

Lanes 1-3: Merged signal (red and green). Green - ab178419 observed at 78 kDa. Red - loading control **ab8245** observed at 36 kDa.

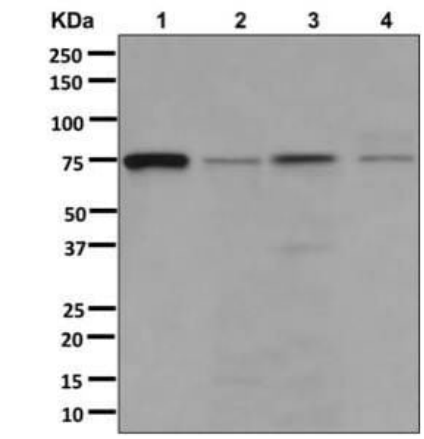
ab178419 Anti-ACSL1 antibody [EPR13498] was shown to specifically react with ACSL1 in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265555** (knockout cell lysate **ab257335**) was used. Wild-type and ACSL1 knockout samples were subjected to SDS-PAGE. ab178419 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACSL1 antibody [EPR13498] (ab178419)

Immunohistochemical analysis of paraffin-embedded Human heart tissue labeling ACSL1 with ab178419 at 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-ACSL1 antibody [EPR13498] (ab178419)

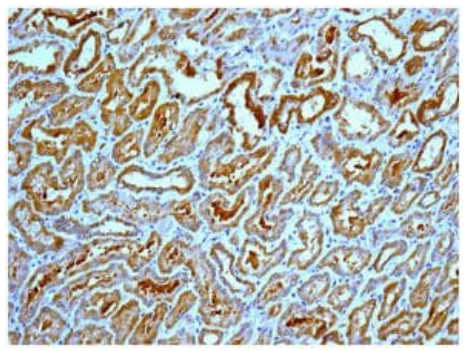
All lanes : Anti-ACSL1 antibody [EPR13498] (ab178419) at 1/1000 dilution

Lane 1 : Human fetal liver lysate
Lane 2 : Human fetal heart lysate
Lane 3 : Human fetal kidney lysate
Lane 4 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat anti-rabbit HRP at 1/2000 dilution

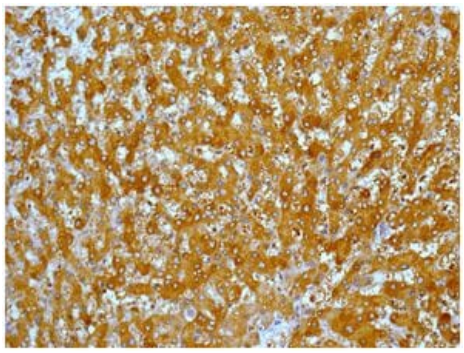
Predicted band size: 78 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACSL1 antibody [EPR13498] (ab178419)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling ACSL1 with ab178419 at 1/50 dilution

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACSL1 antibody [EPR13498] (ab178419)

Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling ACSL1 with ab178419 at 1/50 dilution

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Anti-ACSL1 antibody [EPR13498] (ab178419)

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