

Anti-FACL4 antibody ab38420

[1 References](#) [3 图像](#)

概述

产品名称	Anti-FACL4抗体
描述	兔多克隆抗体to FACL4
宿主	Rabbit
经测试应用	适用于: ELISA, WB, IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	KLH conjugated synthetic peptide (10-30 aa in length) in the region of 276~292 of human FACL4.
阳性对照	RKO cell lysate, hepatocarcinoma tissue. This antibody gave a positive result when used in the following formaldehyde fixed cell lines: HepG2.

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.
存储溶液	Preservative: 0.09% Sodium azide Constituent: PBS
纯度	Protein G purified
纯化说明	This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab38420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
ELISA		1/1000.

应用	Ab评论	说明
WB		1/100 - 1/500. Predicted molecular weight: 79 kDa.
IHC-P		1/50 - 1/100.
ICC/IF		Use a concentration of 10 µg/ml.

靶标

功能

Activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. Preferentially uses arachidonate and eicosapentaenoate as substrates.

疾病相关

Defects in ACSL4 are the cause of mental retardation X-linked type 63 (MRX63) [MIM:300387]. Mental retardation is a mental disorder characterized by significantly sub-average general intellectual functioning associated with impairments in adaptive behavior and manifested during the developmental period. Non-syndromic mental retardation patients do not manifest other clinical signs.

Defects in ACSL4 are involved in Alport syndrome with mental retardation midface hypoplasia and elliptocytosis (ATS-MR) [MIM:300194]. A X-linked contiguous gene deletion syndrome characterized by glomerulonephritis, deafness, mental retardation, midface hypoplasia and elliptocytosis.

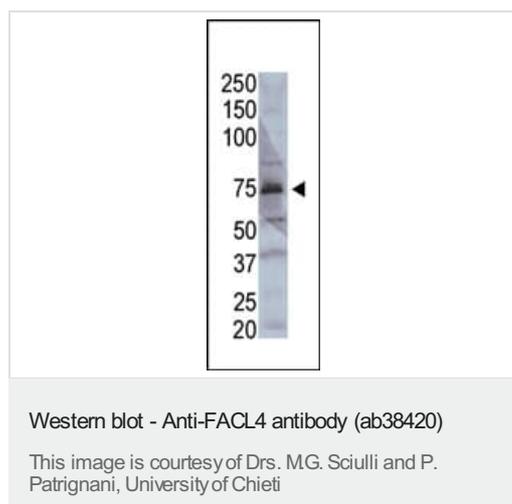
序列相似性

Belongs to the ATP-dependent AMP-binding enzyme family.

细胞定位

Mitochondrion outer membrane. Peroxisome membrane. Microsome membrane. Endoplasmic reticulum membrane.

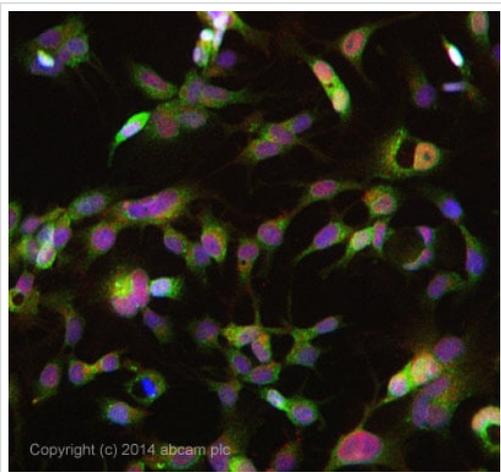
图片



Anti-FACL4 antibody (ab38420) + RKO cell lysate (human colon cancer) treated with 10% FCS for 24hrs

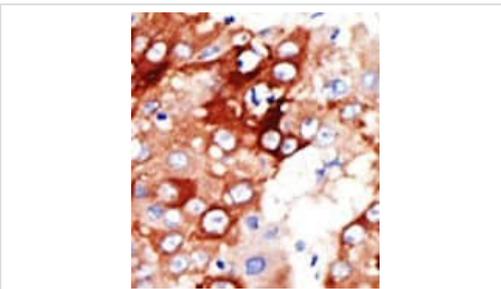
Predicted band size: 79 kDa

Observed band size: 75 kDa



Immunocytochemistry/ Immunofluorescence - Anti-FACL4 antibody (ab38420)

ICC/IF image of ab38420 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab38420 at 10µg/ml overnight at +4°C. The secondary antibody (pseudo-colored green) was Alexa Fluor® 488 goat anti- rabbit (**ab150081**) IgG (H+L) preadsorbed, used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (pseudo-colored red) at a 1/200 dilution for 1h at room temperature. DAPI was used to stain the cell nuclei (pseudo-colored blue) at a concentration of 1.43µM for 1hour at room temperature.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FACL4 antibody (ab38420)

Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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