


Anti-Apolipoprotein CII/ApoC-II antibody ab76452

★★★★★ [2 Abreviews](#) [4 References](#) [4 图像](#)

概述

产品名称	Anti-Apolipoprotein CII/ApoC-II抗体
描述	兔多克隆抗体to Apolipoprotein CII/ApoC-II
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Human 预测可用于: Cynomolgus monkey 
免疫原	Synthetic peptide corresponding to Human Apolipoprotein CII/ApoC-II aa 50 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab88220)
阳性对照	This antibody gave a positive signal in Human Plasma Total Protein Lysate. IHC-P: human normal liver FFPE tissue sections
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab76452于以下的经测试应用

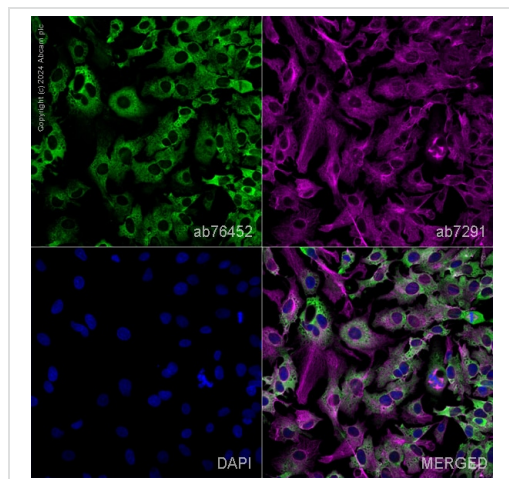
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 9 kDa (predicted molecular weight: 11 kDa).
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 1 µg/ml.

靶标

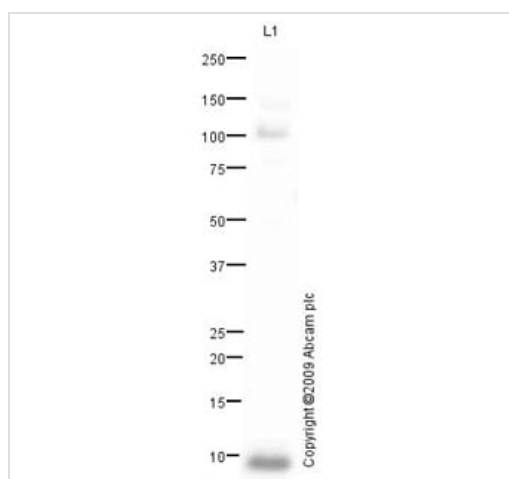
功能	Component of chylomicrons, very low-density lipoproteins (VLDL), low-density lipoproteins (LDL), and high-density lipoproteins (HDL) in plasma. Plays an important role in lipoprotein metabolism as an activator of lipoprotein lipase. Both proapolipoprotein C-II and apolipoprotein C-II can activate lipoprotein lipase. In normolipidemic individuals, it is mainly distributed in the HDL, whereas in hypertriglyceridemic individuals, predominantly found in the VLDL and LDL.
组织特异性	Liver and intestine.
疾病相关	Hyperlipoproteinemia 1B
序列相似性	Belongs to the apolipoprotein C2 family.
翻译后修饰	Proapolipoprotein C-II is synthesized as a sialic acid containing glycoprotein which is subsequently desialylated prior to its proteolytic processing. Proapolipoprotein C-II, the major form found in plasma undergoes proteolytic cleavage of its N-terminal hexapeptide to generate apolipoprotein C-II, which occurs as the minor form in plasma.
细胞定位	Secreted.

图片



Immunocytochemistry/ Immunofluorescence - Anti-Apolipoprotein CII/ApoC-II antibody (ab76452)

ab76452 staining Apolipoprotein CII/ApoC-II in HepG2 cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab76452 at 1µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue). Also suitable in cells fixed with 100% methanol (5 min). Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Western blot - Anti-Apolipoprotein CII/ApoC-II antibody (ab76452)

Anti-Apolipoprotein CII/ApoC-II antibody (ab76452) at 1 µg/ml + Human Plasma Total Protein Lysate at 10 µg

Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

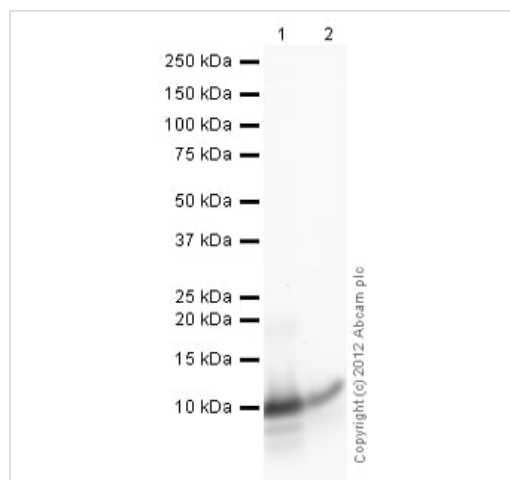
Predicted band size: 11 kDa

Observed band size: 9 kDa

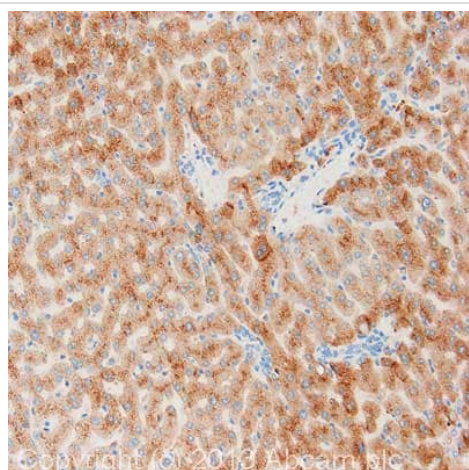
Additional bands at: 100 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 30 seconds

The Apolipoprotein CII/ApoC-II protein has a predicted molecular weight of 11-kDa. The first 22 amino-acids of the Apolipoprotein CII/ApoC-II sequence act as a signal sequence, and when cleaved the protein has an expected molecular weight of 9-kDa.



Western blot - Anti-Apolipoprotein CII/ApoC-II antibody (ab76452)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Apolipoprotein CII/ApoC-II antibody (ab76452)

IHC image of Apolipoprotein CII/ApoC-II staining in human normal liver formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab76452, 1 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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