

Anti-Apolipoprotein CI/Apo-CI antibody [EPR16813] ab198288

Recombinant RabMAb

[9 References](#) [6 Images](#)

Overview

Product name	Anti-Apolipoprotein CI/Apo-CI antibody [EPR16813]
Description	Rabbit monoclonal [EPR16813] to Apolipoprotein CI/Apo-CI
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, IP Unsuitable for: Flow Cyt (Intra) or ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human fetal liver and Human plasma lysate. IHC-P: Human liver tissue. ICC/IF: HepG2 cells. Flow Cyt (intra): HeLa cells. IP: Human plasma whole cell extract .
General notes	<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>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR16813

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab198288 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 6.6 kDa (predicted molecular weight: 9 kDa).
IHC-P		1/800. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IP		1/40.

Application notes Is unsuitable for Flow Cyt (Intra) or ICC/IF.

Target

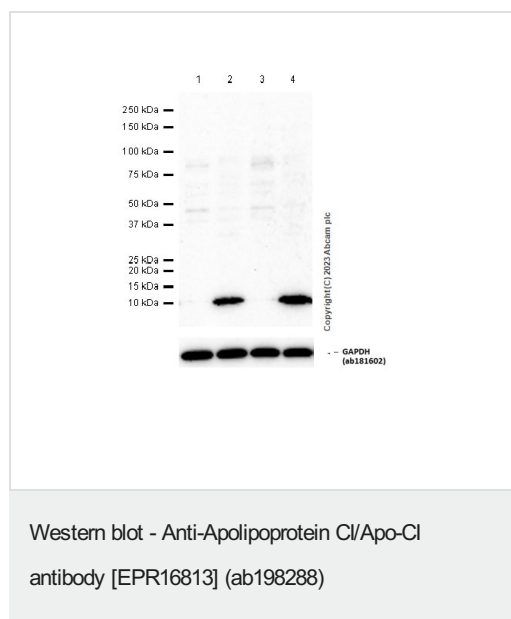
Function Appears to modulate the interaction of APOE with beta-migrating VLDL and inhibit binding of beta-VLDL to the LDL receptor-related protein. Binds free fatty acids and reduces their intracellular esterification.

Tissue specificity Synthesized mainly in liver and to a minor degree in intestine. Secreted in plasma.

Sequence similarities Belongs to the apolipoprotein C1 family.

Cellular localization Secreted.

Images



All lanes : Anti-Apolipoprotein C1/Apo-C1 antibody [EPR16813] (ab198288) at 1/1000 dilution

Lanes 1 & 3 : Untreated HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysate

Lane 2 : HepG2 (Human hepatocellular carcinoma epithelial cell) treated with 300ng/ml BFA for 48 hours whole cell lysate

Lane 4 : HepG2 (Human hepatocellular carcinoma epithelial cell) treated with 300ng/ml BFA for 24 hours whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000

dilution

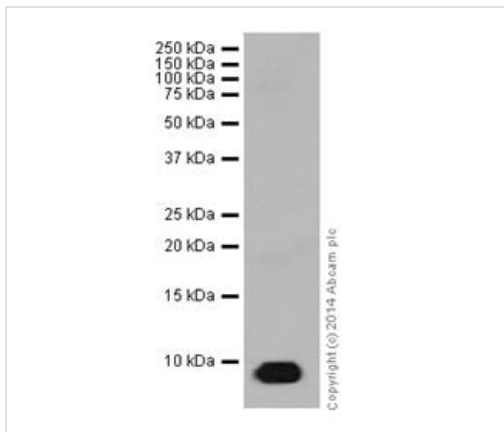
Predicted band size: 9 kDa

Observed band size: 88 kDa

Exposure time: 180 seconds

Blocking/dilution buffer: 5% NFDm/TBST.

We suggest treating cells with BFA which inhibits protein secretion.



Western blot - Anti-Apolipoprotein CII/Apo-CII antibody [EPR16813] (ab198288)

Anti-Apolipoprotein CII/Apo-CII antibody [EPR16813] (ab198288) at 1/1000 dilution + Human fetal liver lysate at 20 µg

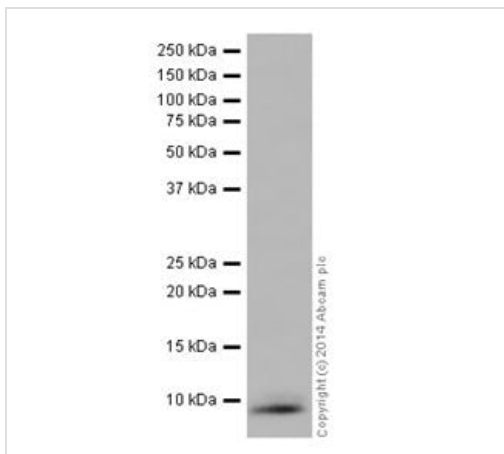
Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 9 kDa

Observed band size: 6.6 kDa

Blocking/dilution buffer: 5% NFDm/TBST.



Western blot - Anti-Apolipoprotein CII/Apo-CII antibody [EPR16813] (ab198288)

Anti-Apolipoprotein CII/Apo-CII antibody [EPR16813] (ab198288) at 1/5000 dilution + Human plasma lysate at 20 µg

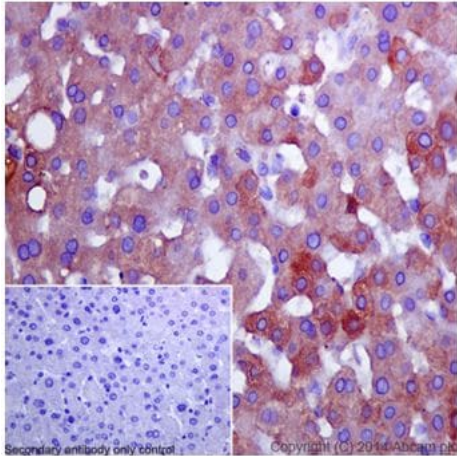
Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 9 kDa

Observed band size: 6.6 kDa

Blocking/dilution buffer: 5% NFDm/TBST.

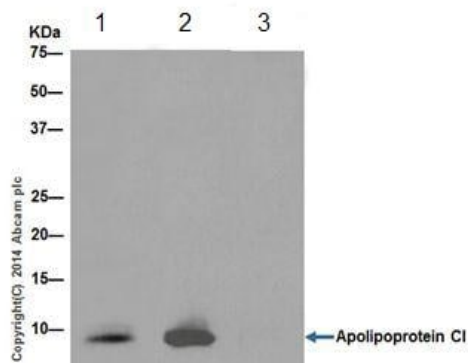


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Apolipoprotein CII/Apo-CII antibody [EPR16813] (ab198288)

Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling Apolipoprotein CII/Apo-CII with ab198288 at 1/1600 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Cytoplasm staining on Human liver tissue is observed. Counter stained with Hematoxylin.

Negative control: Used PBS instead of primary ab.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-Apolipoprotein CII/Apo-CII antibody [EPR16813] (ab198288)

Immunoprecipitation analysis of Human plasma whole cell extract labeling Apolipoprotein CII/Apo-CII using ab198288 at 1/40 dilution (Lane 2).

Lane 3: IP using Rabbit monoclonal IgG ([ab172730](#)) instead of ab198288 in Human plasma whole cell extract.

Lane 1: Input: 10 µg Human plasma whole cell extract.

Subsequent WB detection was performed using ab198288 at 1/1000 dilution.

An Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 was used as secondary antibody.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Apolipoprotein C1/Apo-C1 antibody [EPR16813]
(ab198288)

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