

ABfinity™ Apo C3 Recombinant Rabbit Oligoclonal Antibody

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Rev. 1.00

Catalog Number: 710262

Store at 2° to 8°C (short-term), or -20°C (long-term)

Clonality: Oligoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Rabbit IgG
Reactivity: Human Apo C3
Predicted Reactivity: Human

Product Description

Apolipoprotein C3 (Apo C3) is produced primarily in the liver, and is known to circulate in plasma in combination with Apo B lipoprotein and high density lipoproteins. Apo C3 acts as an antagonist to Apo C2 and Apo E to prevent lipolysis by the lipoprotein lipase enzyme, and also the clearance of apo B. The gene encoding Apo C3 is found on chromosome 11.

Product Specifications

Immunogen: Peptide corresponding to amino acids 37–48 of human Apolipoprotein C3
Alternate Names: APOC3, APO-CIII
Apparent MW: ~13 kDa
Gene ID: 345
Protein Accession No.: P02656
Sequence Identity: Human
Sequence Homology: Mouse, Rat, Monkey, Rabbit, Pig
Clone/PAD: 6HCLC
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Immunocytochemistry	Human	HepG2 cells	1–3 µg/mL
Western blotting	Human	Rat liver lysate	2–3 µg/mL
Indirect ELISA	Human	Peptide	1.5 × 10 ⁻⁴ to 3 µg/mL

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage and Handling

Store the antibody at 2° to 8°C for up to 1 month, -20°C for long storage. Avoid repeated freezing and thawing.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

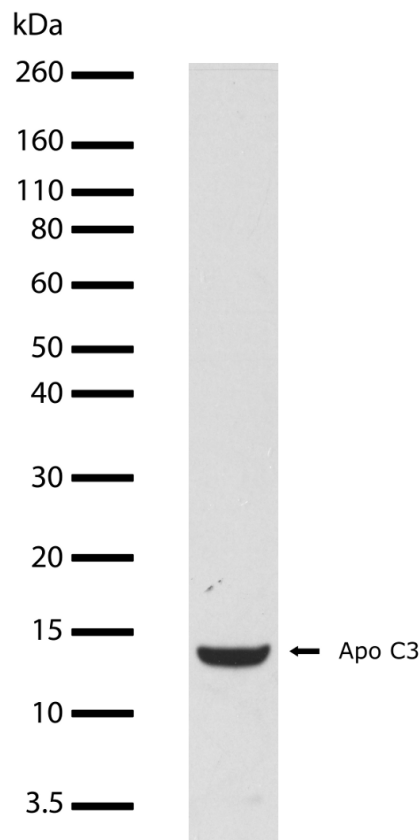


Figure 1 Western blot analysis of ABfinity™ Apo C3 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710262). Western blot analysis was performed on whole cell extracts from rat liver lysate. Endogenous levels of Apo C3 was detected at ~13 kDa using ABfinity™ Apo C3 Recombinant Rabbit Oligoclonal Antibody at a concentration of 2 µg/mL. The blot was developed using chemiluminescence (ECL) method.

For research use only. Not for human or animal therapeutic or diagnostic use.

Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: techsupport@lifetech.com

Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit www.lifetechnologies.com/support.

Related Products

Product Name	Quantity	Catalog no.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		In vitro diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

Limited Product Warranty

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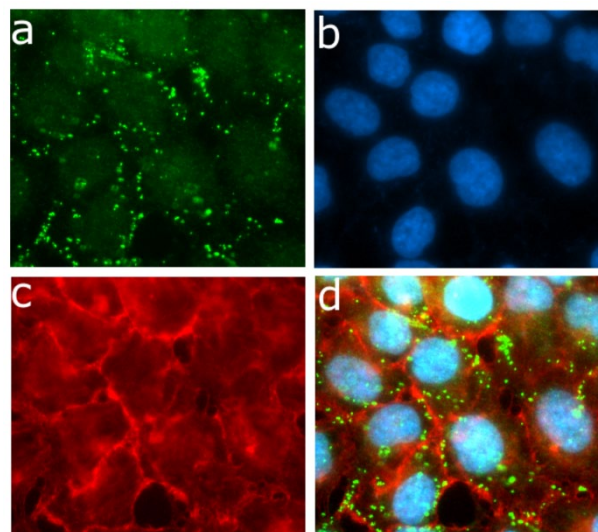


Figure 2 Immunocytochemistry analysis of ABfinity™ Apo C3 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710262).

Immunocytochemistry analysis of HepG2 cells stained with ABfinity™ Apo C3 Recombinant Rabbit Oligoclonal Antibody, using **a**: Alexa Fluor® 488 goat anti-rabbit as a secondary antibody (green). **b**: DAPI stained HepG2 nuclei (blue). **c**: Actin stained with Alexa Fluor® 594 phalloidin (red). **d**: Composite image of cells showing subcellular cytoplasmic localization of Apo C3.

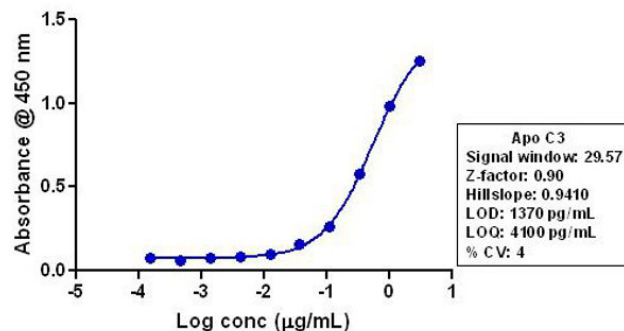


Figure 3 Indirect ELISA of ABfinity™ Apo C3 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710262).

Indirect ELISA was performed using various dilutions of ABfinity™ Apo C3 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710262) to detect Apo C3 peptide coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

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