

ABfinity™ Apo A2 Recombinant Rabbit Monoclonal Antibody

Publication Part no. MAN0006842

Rev. 1.00

Catalog Number: 701236

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

Clonality:	Monoclonal	Host/Class:	Rabbit IgG
Concentration:	0.5 mg/mL	Reactivity:	Human Apo A2
Quantity:	100 µg	Predicted Reactivity:	Rat
Volume:	200 µL		

Product Description

Apo A2 (Apolipoprotein A2) is an important member of the human high density lipoproteins. The protein plays an important role in hepatic lipase reaction, and functions similarly to Apo A1 by taking up cholesterol and phospholipids from cell membranes. It is synthesized as a precursor in the liver and the intestine. The Apo A2 gene is located on chromosome 1 at the 1q21-1q23 region.

Product Specifications

Immunogen:	Peptide corresponding to amino acids 60–71 of human Apo A2
Alternate Names:	Apo-AII
Apparent MW:	~12 kDa
Gene ID:	336
Protein Accession No.:	P02652
Sequence Identity:	Human
Sequence Homology:	Mouse, Rat, Monkey
Clone/PAD:	43H22L4
Lot:	See product label

Product Applications

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

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.

Stability

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

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.

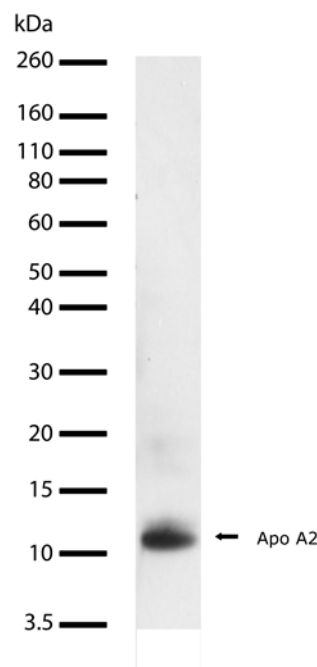


Figure 1 Western blot analysis of ABfinity™ Apo A2 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701236).

Western blot analysis was performed on rat liver lysate. Endogenous levels of Apo A2 at ~12 kDa was detected using ABfinity™ Apo A2 Recombinant Rabbit Monoclonal 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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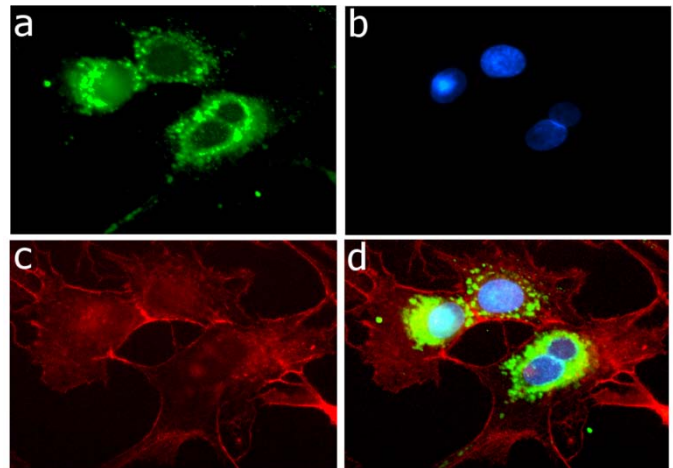


Figure 2 Immunocytochemistry analysis of ABfinity™ Apo A2 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701236). Immunocytochemistry analysis of HepG2 cells stained with ABfinity™ Apo A2 Recombinant Rabbit Monoclonal Antibody using **a:** Alexa Fluor® 488 goat anti-rabbit as a secondary antibody (green). **b:** DAPI stained HepG2 nuclei (blue). **c:** Actin stained with Alexa Fluor® 594 Phalloidin (red). **d:** Composite image of cells showing cytoplasmic localization of Apo A2.

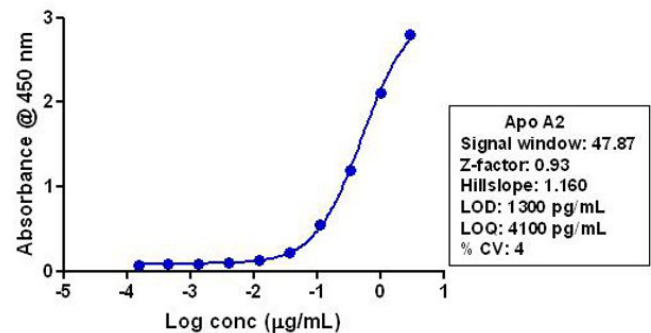


Figure 3 Indirect ELISA of ABfinity™ Apo A2 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701236).

Indirect ELISA was performed using various dilutions of ABfinity™ Apo A2 recombinant rabbit monoclonal antibody (Cat. no. 701236) to detect Apo A2 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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