

Datasheet for ABIN5663872
anti-APOB antibody (AA 28-330)



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5 Images

Overview

Quantity:	100 µL
Target:	APOB
Binding Specificity:	AA 28-330
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 28-330 of human ApoB (NP_000375.2).
Sequence:	EEEMLENVSL VCPKDATTRFK HLRKYTYNVE AESSSGVPGT ADSRSATRIN CKVELEVPQL CSFILKTSQC TLKEVYGFNP EGKALLKGTK NSEEFAAAMS RYELKLAIFE GKQVFLYPEK DEPTYILNIK RGIISALLVP PETEEAKQVL FLDTVYGNCS THFTVKTRKG NVATEISTER DLGQCDFRFP IRTGISPLAL IKGMTRPLST LISSQSCQY TLDAKRKHVA EAICKEQHLLF LPFSYKNKYG MVAQVTQTLK LEDTPKINSR FFGEGTKKMG LAFESTKSTS PPKQAEAVLK TLQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

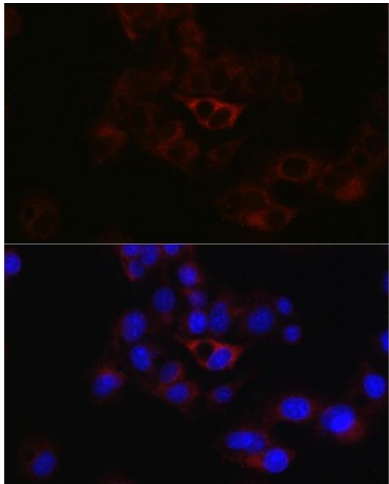
Target:	APOB
Alternative Name:	APOB (APOB Products)
Background:	<p>This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins. It occurs in plasma as two main isoforms, apoB-48 and apoB-100: the former is synthesized exclusively in the gut and the latter in the liver. The intestinal and the hepatic forms of apoB are encoded by a single gene from a single, very long mRNA. The two isoforms share a common N-terminal sequence. The shorter apoB-48 protein is produced after RNA editing of the apoB-100 transcript at residue 2180 (CAA->UAA), resulting in the creation of a stop codon, and early translation termination. Mutations in this gene or its regulatory region cause hypobetalipoproteinemia, normotriglyceridemic hypobetalipoproteinemia, and hypercholesterolemia due to ligand-defective apoB, diseases affecting plasma cholesterol and apoB levels.,APOB,FLDB,LDLCQ4,apoB-100,apoB-48,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,Cholesterol Metabolism,Cardiovascular,Heart,Lipids,Lipoproteins/Apolipoproteins,Cardiovascular diseases,Heart disease,APOB</p>
Molecular Weight:	515 kDa
Gene ID:	338
UniProt:	P04114
Pathways:	Lipid Metabolism

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

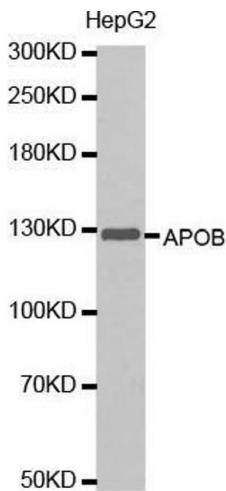
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



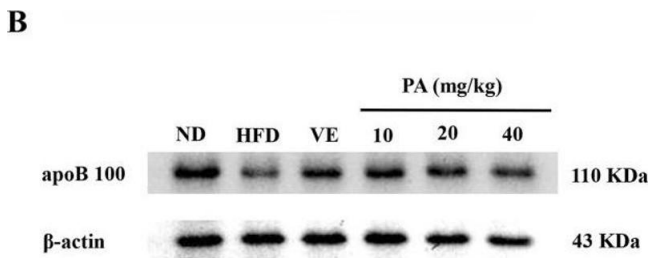
Immunofluorescence

Image 1. Immunofluorescence analysis of HepG2 cells using ApoB Rabbit pAb (ABIN3015447, ABIN3015448, ABIN5663872 and ABIN6217244) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of HepG2 cells lines, using APOB antibody.



Western Blotting

Image 3. PA treatment attenuated HFD-induced apoB 100 reduction in rats. (A) Serum level of apoB 100 (n = 8 per group), (B) Representative immunoreactive band of apoB 100, (C) Ratio of apoB 100/β-actin, the relative expression level of target protein was normalized by β-actin (n = 3 per group), (D) mRNA expression of apoB 100, the relative expression level of target gene was normalized by GAPDH (n = 3 per group). Values were presented as mean ± SD. ##p < 0.01 vs. ND group, *p < 0.05, **p < 0.01 vs. HFD group. - figure provided by CiteAb. Source: PMID31632274

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5663872.