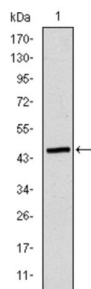
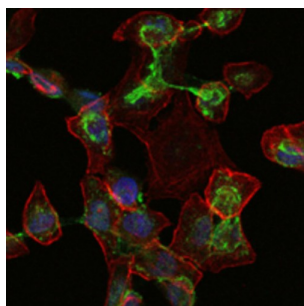


Apolipoprotein B (APOB) Antibody

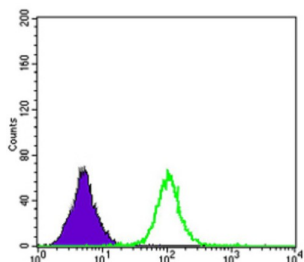
Catalogue No.: abx012218



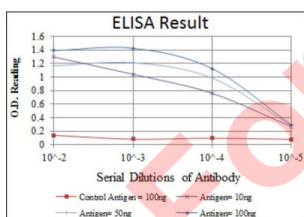
Western blot analysis using ApoB antibody against human ApoB (AA: 3900-4110) recombinant protein. (Expected MW is 45 kDa).



Immunofluorescence analysis of HepG2 cells using ApoB antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.



Flow cytometric analysis of serum using ApoB antibody (green) and negative control (purple).



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

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 hypo beta lipoproteinemia, normotriglyceridemic hypo beta lipoproteinemia, and hypercholesterolemia due to ligand-defective apoB, diseases affecting plasma cholesterol and apoB levels.

Datasheet

Version: 3.0.0
Revision date: 31 May 2025



Target:	Apolipoprotein B (APOB)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, IF/ICC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human ApoB expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P04114 (UniProt , ExPASy)
Gene Symbol:	APOB
GeneID:	338
OMIM:	107730
HGNC:	603
KEGG:	hsa:338
Ensembl:	ENSG00000084674
String:	9606.ENSP00000233242
Molecular Weight:	516 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.

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Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only