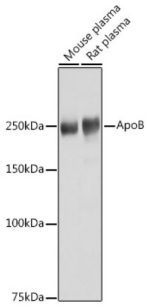
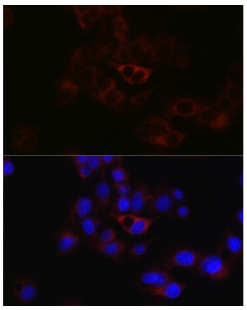
Apolipoprotein B (APOB) Antibody

Catalogue No.:abx001189



Western blot analysis of various lysates using ApoB Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates / proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunofluorescence analysis of mouse liver cells using ApoB Antibody at dilution of 1/100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

APOB Antibody is a Rabbit Polyclonal antibody against APOB. APOB, also named as Apo B-48 and Apo B-100, is a major protein constituent of chylomicrons (apo B-48), LDL (apo B-100) and VLDL (apo B-100). APOB functions as a recognition signal for the cellular binding and internalization of LDL particles by the apoB/E receptor. Defects in APOB are a cause of familial hypobetalipoproteinemia (FHBL). Defects in APOB are a cause of familial ligand-defective apolipoprotein B-100 (FDB). Defects in APOB associated with defects in other genes (polygenic) can contribute to hypocholesterolemia. The antibody is specific to APOB.

Target:	Apolipoprotein B (APOB)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IF/ICC
Host:	Rabbit
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/500 - 1/1000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 28-330 of human ApoB.
Isotype:	IgG

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Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P04114 (UniProt, ExPASy)
Gene Symbol:	APOB
GeneID:	338
NCBI Accession:	NP_000375.3
KEGG:	hsa:338
String:	9606.ENSP00000233242
Molecular Weight:	Calculated MW: 516 kDa Observed MW: 250 kDa
Buffer:	PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	This product is for research use only.

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