

Rabbit APOB Polyclonal Antibody | anti-APOB antibody

APOB Polyclonal Antibody

CATALOG # AAA37110	HOST Rabbit	APPLICATIONS Immunofluorescence, Western Blot
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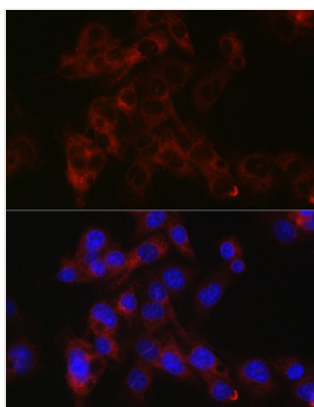
PRODUCT SYNONYMS

APOB; Polyclonal Antibody; APOB Polyclonal Antibody; FLDB; LDLCQ4; apoB-100; apoB-48; anti-APOB antibody

PRODUCT SPECIFICATIONS

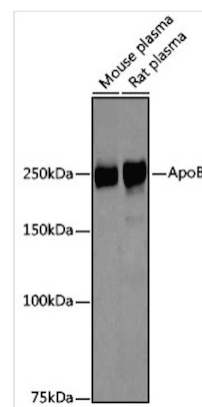
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Sequence Length	4563
Applicable Applications for anti-APOB antibody	IF (Immunofluorescence), WB (Western Blot)
Species Reactivity/Cross-Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 28-330 of human ApoB (NP_000375.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



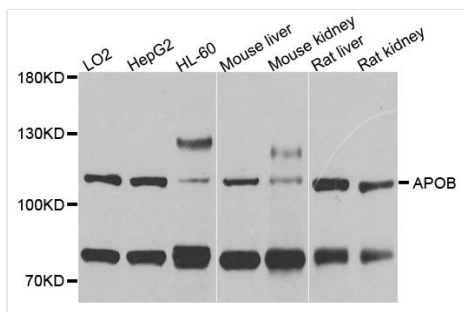
IF (Immunofluorescence)

Immunofluorescence analysis of HepG2 cells using ApoB Rabbit pAb (AAA37110) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ApoB antibody (AAA37110) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using APOB antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-APOB antibody	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.
Product Categories/Family for anti-APOB antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	300669605
NCBI GeneID	338
UniProt Accession #	P04114; O00502; P78479; P78480; P78481; Q13779; Q13785; Q13786; Q13787; Q13788; Q4ZG63; Q53QC8
Molecular Weight	Calculated MW 515kDa Observed MW 250KDa
NCBI Official Full Name	Apolipoprotein B-100
NCBI Official Synonym Full Names	apolipoprotein B
NCBI Official Symbol	APOB
NCBI Official Synonym Symbols	FLDB; LDLCQ4
NCBI Protein Information	apolipoprotein B-100; apoB-48; apoB-100; apo B-100; mutant Apo B 100; apolipoprotein B48; apolipoprotein B (including Ag(x) antigen)
UniProt Protein Name	Apolipoprotein B-100
UniProt Gene Name	APOB
UniProt Synonym Gene Names	Apo B-100; Apo B-48
UniProt Entry Name	APOB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.