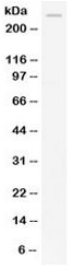
APOB Antibody / Apolipoprotein B (R32510)

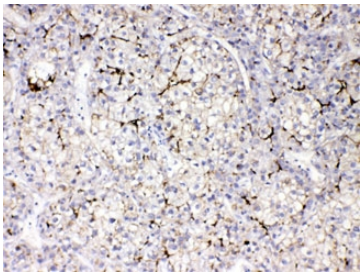
Catalog No.	Formulation	Size
R32510	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P04114
Localization	Cytoplasmic, membranous
Applications	Western blot: 0.5-2ug/ml IHC (FFPE): 1-2ug/ml
Limitations	This APOB antibody is available for research use only.



Western blot testing of human HeLa lysate with APOB antibody at 0.5ug/ml. Predicted molecular weight: ~516 kDa (ApoB-100), ~240 kDa (ApoB-48).



IHC testing of FFPE human liver with APOB antibody at 1ug/ml. HIER: steam sections in pH6 citrate buffer for 20 min.

Description

Apolipoprotein B (ApoB) is a protein that in humans is encoded by the APOB gene. 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.

For an alternative Protein Microarray Validated monoclonal clone with additional tissue validation, see our APOB Antibody APOB/3300 / Lipoprotein B Antibody page.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the APOB antibody to be titrated for optimal performance.

Immunogen

Amino acids Q246-N450 from the human protein were used as the immunogen for the APOB antibody. This sequence is common to both the full length (ApoB-100) and truncated (ApoB-48) forms of the protein.

Storage

After reconstitution, the APOB antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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