

Datasheet

APOB polyclonal antibody (HRP)

Catalog Number: PAB14374

Regulation Status: For research use only (RUO)

Product Description: Goat polyclonal antibody raised against native APOB.

Immunogen: Native purified human APOB.

Host: Goat

Reactivity: Human

Applications: ELISA, WB

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody can be used for detection of human APOB-48/100 in plasma and lipoproteins.

Form: Lyophilized

Conjugation: HRP

Recommend Usage: ELISA (1:100-1:4000)

Western Blot (1:100-1:4000)

The optimal working dilution should be determined by the end user.

Storage Buffer: Lyophilized from 50 mM PBS, 0.1 M NaCl, pH 7.4 and 0.01% thimerosal.

Storage Instruction: Store at -20°C on dry atmosphere. After reconstitution with 500 uL deionized water, store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 338

Gene Symbol: APOB

Gene Alias: FLDB

Gene Summary: 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. [provided by RefSeq]