

A1329

Leader in Biomolecular Solutions for Life Science



ApoB Mouse mAb

Catalog No.: A1329

Basic Information

Observed MW

45kDa

Calculated MW

516kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB,IF/ICC,FC,ELISA

Cross-Reactivity

Human

Background

This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins (LDL), and is the ligand for the LDL receptor. 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.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:500 - 1:1000
FC	1:50 - 1:200

Immunogen Information

Gene ID	Swiss Prot
338	P04114

Immunogen

Recombinant protein of human ApoB

Synonyms

FLDB; FCHL2; LDLCQ4; apoB-48; apoB-100; ApoB

Contact

 www.abclonal.com

Product Information

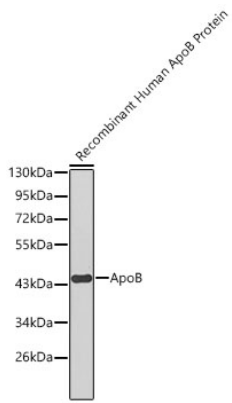
Source	Isotype	Purification
Mouse	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of recombinant Human ApoB protein, using ApoB Mouse mAb (A1329).

Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 10ng per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.