

APOB Monoclonal Antibody

Catalog No.	A1329	Category	Monoclonal Antibodies
Applications	WB, ICC, FC	Observed MW	45kDa
Cross-reactivity	Human	Calculated MW	515kDa

Immunogen Information

Immunogen	Recombinant protein of human APOB
Gene ID	338
Swiss prot	P04114
Synonyms	APOB; FLDB; LDLCQ4; apoB-100; apoB-48; apolipo protein B

Product information

Source	Mouse
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

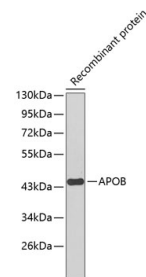
This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins. It occurs in plasma as two main isoforms, apoB-48 and apoB-100: the former is synthesized exclusively in the gut and the latter in the liver. The intestinal and the hepatic forms of apoB are encoded by a single 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.

Recommended Dilutions

WB 1:500 -
1:2000

ICC 1:500 -
1:1000

FC 1:50 -
1:200



Western blot - APOB Monoclonal Antibody (A1329)