

Datasheet for ABIN7265635

anti-APOB antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	APOB
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This APOB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	ApoB Rabbit mAb
Immunogen:	A synthesized peptide derived from human ApoB
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	APOB
Alternative Name:	APOB (APOB Products)
Background:	This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins. It

Target Details

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, Jul 2008],FLDB, LDLCQ4, apoB-100, apoB-48,Cancer,Cardiovascular,Cardiovascular diseases,Cardiovascular diseases_Heart disease,Endocrine & Metabolism,Heart,Lipid Metabolism,Lipid Metabolism_Cholesterol Metabolism,Lipids,Lipids_Lipoproteins/Apolipoproteins,Signal Transduction,APOB

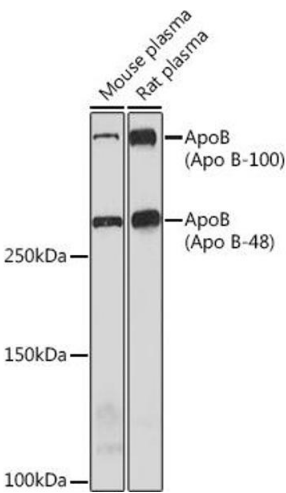
Molecular Weight:	515kDa
Gene ID:	338
UniProt:	P04114
Pathways:	Lipid Metabolism

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using ApoB Rabbit mAb (ABIN7265635) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3 min.