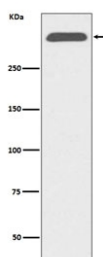


Apolipoprotein B Antibody / APOB [clone AOIH-1] (RQ5037)

Catalog No.	Formulation	Size
RQ5037	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

[Bulk quote request](#)

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AOIH-1
Purity	Affinity purified
UniProt	P04114
Applications	Western Blot : 1:500-1:2000
Limitations	This Apolipoprotein B antibody is available for research use only.



Western blot testing of human serum lysate with Apolipoprotein B antibody. Predicted molecular weight ~516 kDa.

Description

The APOB gene product is the main apolipoprotein of chylomicrons and low density lipoproteins. It occurs in plasma as two main isoforms, apoB-48 (~240 kDa) and apoB-100 (~516 kDa): 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. [RefSeq]

Application Notes

Optimal dilution of the Apolipoprotein B antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Apolipoprotein B / APOB was used as the immunogen for the Apolipoprotein B antibody.

Storage

Store the Apolipoprotein B antibody at -20oC.