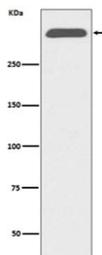


## Apolipoprotein B Antibody / APOB [clone AOIH-1] (RQ5037)

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](#)

<b>Availability</b>	1-2 weeks
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Name</b>	AOIH-1
<b>Purity</b>	Affinity purified
<b>UniProt</b>	P04114
<b>Applications</b>	Western Blot : 1:500-1:2000
<b>Limitations</b>	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.