

## APOB Rabbit Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP05823
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human APOB
<b>Mol wt</b>	501930
<b>Species reactivity</b>	Human, Rat, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	APOB
<b>Synonyms</b>	APOB; Apolipoprotein B-100; Apo B-100; Apolipoprotein B-48; Apo B-48;

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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 Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year

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