



# Goat Anti-ApoB Polyclonal antibody (CABT-RM184)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Single precipitin arc visible with immunoelectrophoresis
<b>Target</b>	ApoB
<b>Immunogen</b>	Purified Human Apolipoprotein B
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Delipidated and 0.2 µm filtered
<b>Conjugate</b>	unconjugated
<b>Applications</b>	TIA
<b>Format</b>	Liquid
<b>Size</b>	10 ml
<b>Buffer</b>	20 mM Tris, pH 7.4 with 250 mM NaCl
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Short Term (≤ 2 weeks): 2-8°C. Long Term: -20°C. Avoid repeated freezing and thawing.
<b>Ship</b>	Cold Packs

## BACKGROUND

## Introduction

Apolipoprotein B is the primary apolipoprotein of chylomicrons, VLDL, IDL, and LDL particles (LDL - known commonly by the misnomer "bad cholesterol" when in reference to both heart disease and vascular disease in general), which is responsible for carrying fat molecules (lipids), including cholesterol, around the body (within the water outside cells) to all cells within all tissues. While all the functional roles of ApoB within the LDL (and all larger) particles remains somewhat unclear, it is the primary organizing protein (of the entire complex shell enclosing/carrying fat molecules within) component of the particles and is absolutely required for the formation of these particles.

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## Keywords

APOB; apolipoprotein B; FLDB; LDLQC4; apolipoprotein B-100; apoB-48; apoB-100; apo B-100; mutant Apo B 100; apolipoprotein B48; apolipoprotein B (including Ag(x) antigen)

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# GENE INFORMATION

## Entrez Gene ID

[338](#)

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## UniProt ID

[P04114](#)

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