

## ARG64652 anti-Apolipoprotein B antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes Apolipoprotein B
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Apolipoprotein B
Species	Human
Immunogen	C-TDLHLRYQKDKK
Conjugation	Un-conjugated
Alternate Names	Apolipoprotein B-100; apoB-48; Apo B-100; apoB-100; Apo B-48; FLDB; LDLQC4; ApoB

### Application Instructions

Application table	Application	Dilution
	IHC-P	2 µg/ml
	WB	0.3 - 1 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

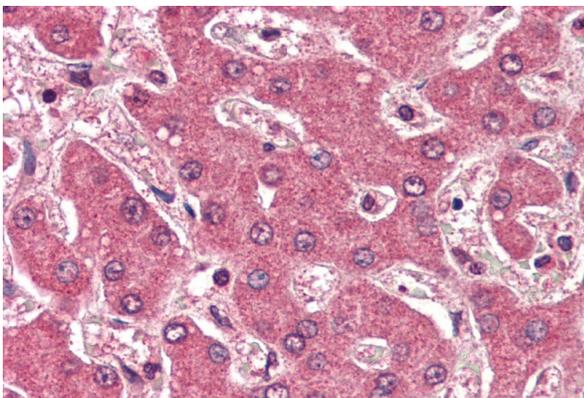
### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

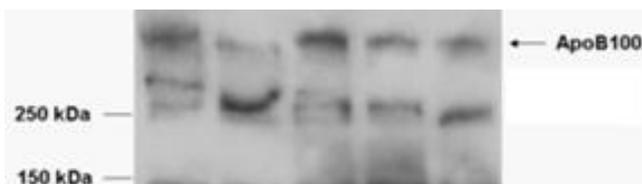
Database links	<a href="#">GeneID: 338 Human</a> <a href="#">Swiss-port # P04114 Human</a>
Gene Symbol	APOB
Gene Full Name	apolipoprotein B
Background	This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins. It occurs in plasma as two main isoforms, apoB-48 and apoB-100: 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. [provided by RefSeq, Jul 2008]
Function	Apolipoprotein B is a major protein constituent of chylomicrons (apo B-48), LDL (apo B-100) and VLDL (apo B-100). Apo B-100 functions as a recognition signal for the cellular binding and internalization of LDL particles by the apoB/E receptor. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	516 kDa
PTM	Palmitoylated; structural requirement for proper assembly of the hydrophobic core of the lipoprotein particle.

## Images



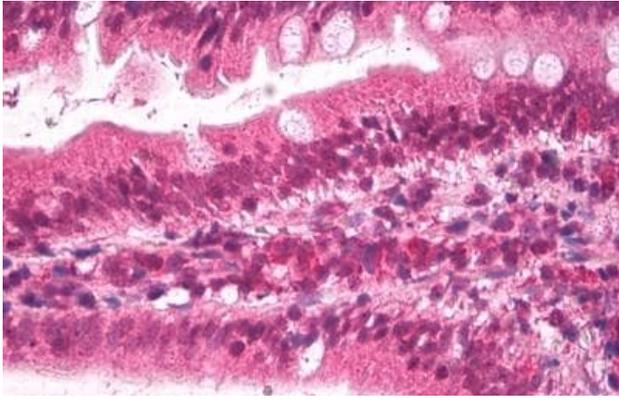
ARG64652 anti-Apolipoprotein B antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64652 anti-Apolipoprotein B antibody at 2 µg/ml dilution followed by AP-staining.



ARG64652 anti-Apolipoprotein B antibody WB image

Western blot: Human serum lysates stained with ARG64652 anti-Apolipoprotein B antibody at 0.5 µg/ml dilution. This antibody showed background below 150 kDa in serum samples.



#### ARG64652 anti-Apolipoprotein B antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human small intestine tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64652 anti-Apolipoprotein B antibody at 2  $\mu\text{g}/\text{ml}$  dilution followed by AP-staining.