

For Research Use Only

# Multi-rAb™ APOB Multi-Recombinant antibody

Catalog Number: RMX00011



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
RMX00011	NM_000384	N/A
Size:	GeneID (NCBI):	Recommended Dilutions:
100ul , Concentration: 1000 µg/ml by Nanodrop;	338	WB 1:1000-1:8000
Source:	UNIPROT ID:	IHC 1:100-1:1000
Rabbit	P04114	IF-P 1:50-1:500
Isotype:	Full Name:	
IgG	apolipoprotein B (including Ag(x) antigen)	
	Calculated MW:	
	516 kDa	
	Observed MW:	
	150-250 kDa, 400-520 kDa	

## Applications

Tested Applications:	Positive Controls:
WB, IHC, IF-P, ELISA	WB : human plasma,
Species Specificity:	IHC : mouse liver tissue,
human, mouse	IF-P : mouse liver tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

The apolipoprotein B (APOB) is a plasma protein synthesized primarily in the liver and intestine and play an important role in lipid and cholesterol metabolism. The APOB encodes two different isoproteins through mRNA editing, APOB-48 and APOB-100. APOB-48 and APOB-100 is present in both human liver and intestine. APOB-100 is essential for the assembly of VLDL in the liver. APOB-48 is essential for the assembly of chylomicrons in the intestine. It is well established that APOB-100 levels are associated with coronary heart disease. This antibody recognizes both of APOB-48, APOB-100 (PMID:11839763, PMID:2450346).

## Storage

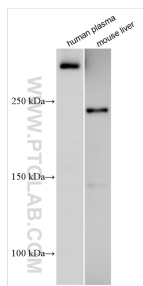
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

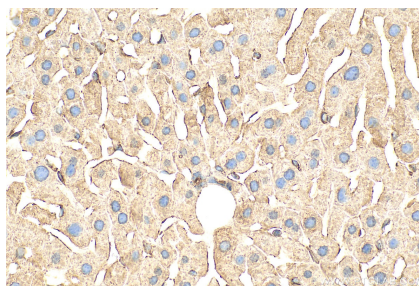
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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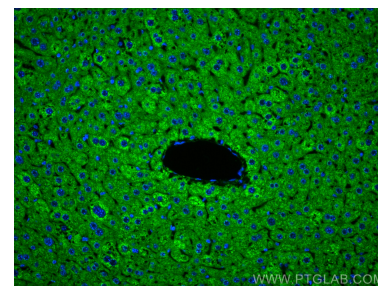
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00011 (APOB antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using RMX00011 (APOB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using APOB antibody (RMX00011) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).