

For Research Use Only

APOB Polyclonal antibody

Catalog Number: 27751-1-AP



Basic Information

Catalog Number: 27751-1-AP	GenBank Accession Number: NM_000384	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 338	Recommended Dilutions: WB: 1:500-1:2000 IHC: 1:50-1:500
Source: Rabbit	UNIPROT ID: P04114	
Isotype: IgG	Full Name: apolipoprotein B (including Ag(x) antigen)	
Immunogen Catalog Number: AG26773	Calculated MW: 516 kDa	
	Observed MW: 150-250 kDa, 400-520 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : mouse liver tissue, HepG2 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse liver tissue,

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. Unlike humans and rabbits, rats and mice secrete both apoB-100- and apoB-48-containing lipoproteins from the liver as a result of the hepatic expression of APOBEC-1 (PMID: 9633945). This antibody recognizes both of APOB-48, APOB-100 (PMID:11839763, PMID:2450346).

Storage

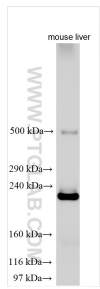
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

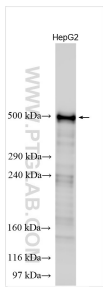
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

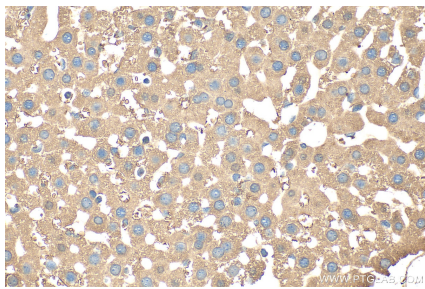
Selected Validation Data



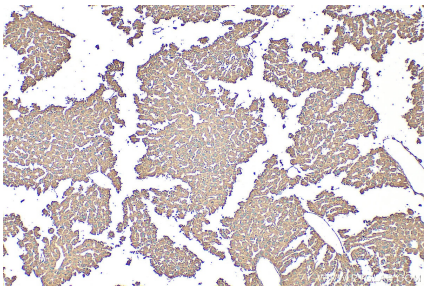
Various lysates were subjected to Tris-Acetate gel system followed by western blot with 27751-1-AP (APOB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to Tris-Acetate gel system followed by western blot with 27751-1-AP (APOB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 27751-1-AP (APOB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 27751-1-AP (APOB antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).