

For Research Use Only

APOB Polyclonal antibody

Catalog Number: 20578-1-AP **34 Publications**



Basic Information

Catalog Number: 20578-1-AP	GenBank Accession Number: NM_000384	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 338	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P04114	
Isotype: IgG	Full Name: apolipoprotein B (including Ag(x) antigen)	
	Calculated MW: 516 kDa	
	Observed MW: 150-250 kDa, 400-520 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB: human plasma, HEK-293 cells, mouse liver tissue, human plasma tissue
Species Specificity: human, mouse	IHC: human liver tissue, human hepatocirrhosis tissue
Cited Species: human, rat, mouse, hamster	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Ying Zhang	36172518	Front Nutr	WB
Fangjun Yu	34493722	Nat Commun	WB
William A. Banks	36293369	Int J Mol Sci	WB

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

For technical support and original validation data for this product please contact:

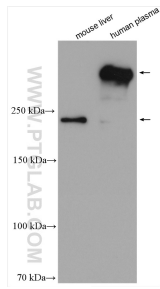
T: 4006900926

E: Proteintech-CN@ptglab.com

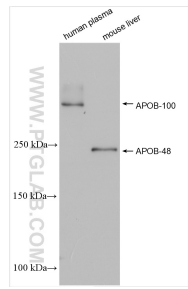
W: ptgcn.com

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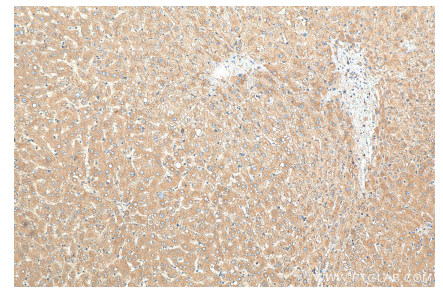
Selected Validation Data



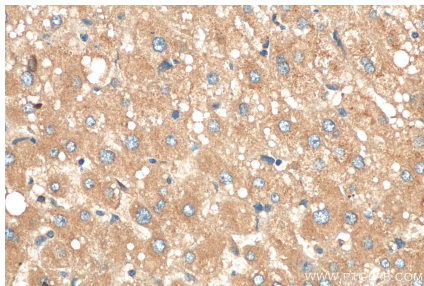
mouse liver and human plasma were subjected to Tris-acetate gel system followed by western blot with 20578-1-AP (APOB antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



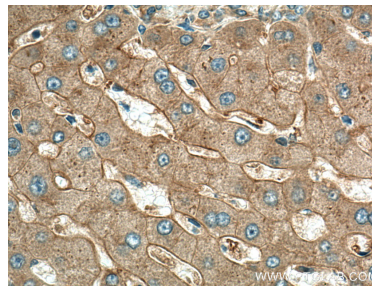
Various lysates were subjected to Tris-acetate gel system followed by western blot with 20578-1-AP (APOB antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



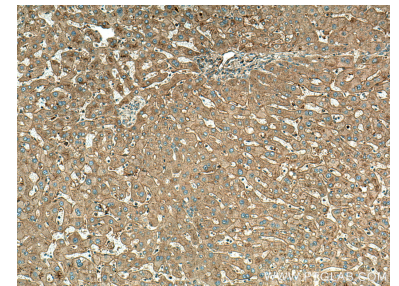
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 20578-1-AP (APOB antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 20578-1-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 human hepatocirrhosis tissue slide using 20578-1-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 human hepatocirrhosis tissue slide using 20578-1-AP (APOB antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).