

For Research Use Only

# APOM Polyclonal antibody

Catalog Number: 12817-1-AP

2 Publications



## Basic Information

### Catalog Number:

12817-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 187 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3137

### GenBank Accession Number:

BC020683

### GeneID (NCBI):

55937

### UNIPROT ID:

O95445

### Full Name:

apolipoprotein M

### Calculated MW:

21 kDa

### Observed MW:

21-25 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

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

### Positive Controls:

WB : HepG2 cells, human plasma

IHC : human liver tissue, human hepatocirrhosis tissue

IF/ICC : HepG2 cells,

## Background Information

APOM (Apolipoprotein M) is a member of the lipocalin superfamily and is predominantly associated with high-density lipoprotein (HDL). APOM is synthesized in the kidneys, liver, and to a minor extent also by adipocytes. In the circulation, APOM binds primarily to high-density lipoproteins (HDL) but can also be associated with other lipoproteins, such as low-density lipoproteins (LDL), very-low-density lipoproteins (VLDL), and chylomicrons (PMID: 34482091).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yan-Wei Hu	26201458	Apoptosis	WB
Quiana Jones	39343001	J Biol Chem	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

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

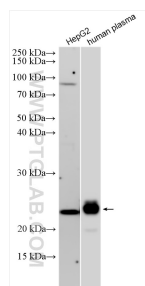
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

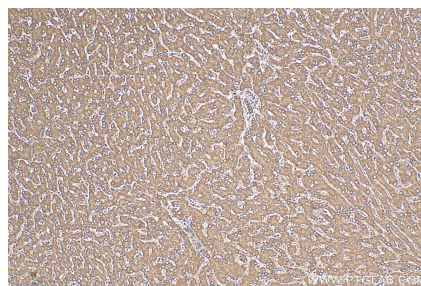
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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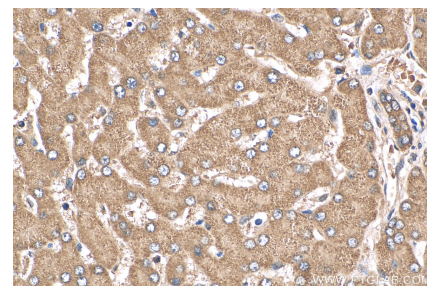
## Selected Validation Data



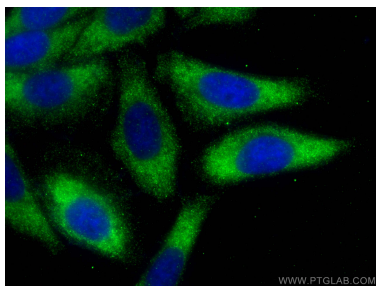
Various lysates were subjected to SDS PAGE followed by western blot with 12817-1-AP (APOM antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 12817-1-AP (APOM 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 12817-1-AP (APOM antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using APOM antibody (12817-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).