

For Research Use Only

# APOA4 Polyclonal antibody

Catalog Number: 17996-1-AP

10 Publications



## Basic Information

### Catalog Number:

17996-1-AP

### Size:

150ul, Concentration: 750 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12454

### GenBank Accession Number:

BC074764

### GeneID (NCBI):

337

### Full Name:

apolipoprotein A-IV

### Calculated MW:

396 aa, 45 kDa

### Observed MW:

45-46 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human

### Cited Species:

human, mouse

### Positive Controls:

WB : human plasma tissue, HepG2 cells, human plasma

IHC : human liver tissue,

IF/ICC : 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**

## Background Information

APOA4 is a major protein component of chylomicrons in postprandial lymph and plasma. It is synthesized in the small intestine and the liver, attached to chylomicrons by enterocytes, and secreted into intestinal lymph during fat absorption. APOA4 is intimately involved in metabolism and has protective roles in cardiovascular diseases like atherosclerosis. APOA4 can promote insulin secretion and maintain glucose homeostasis. It also has potent antioxidant and anti-inflammatory properties.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yohei Misumi	36094798	Amyloid	WB
Yalong Wang	31753849	J Exp Med	IHC
Ni Yang	31706944	J Proteomics	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

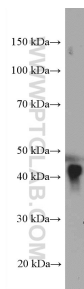
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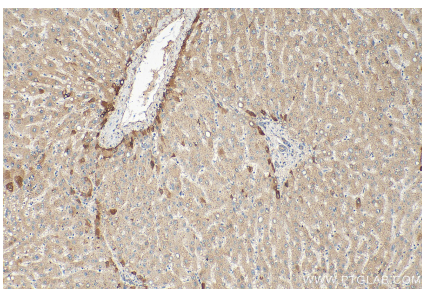
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## Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 17996-1-AP (APOA4 Antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 17996-1-AP (APOA4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using APOA4 antibody (17996-1-AP) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).