

For Research Use Only

APOA4 Polyclonal antibody

Catalog Number: 17996-1-AP

12 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, IF

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

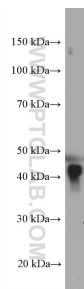
For technical support and original validation data for this product please contact:

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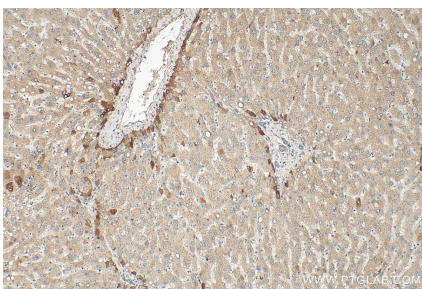
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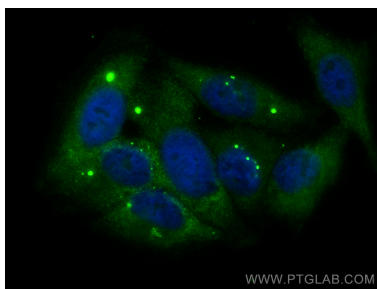
Selected Validation Data



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).