

For Research Use Only

APOA4 Polyclonal antibody

Catalog Number: 17996-1-AP

9 Publications



Basic Information

Catalog Number: 17996-1-AP	GenBank Accession Number: BC074764	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 337	Recommended Dilutions: WB 1:2000-1:16000 IHC 1:50-1:500
Source: Rabbit	Full Name: apolipoprotein A-IV	
Isotype: IgG	Calculated MW: 396 aa, 45 kDa	
Immunogen Catalog Number: AG12454	Observed MW: 45-46 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB : human plasma tissue, HepG2 cells, human plasma
Species Specificity: human	IHC : human liver tissue,
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	

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

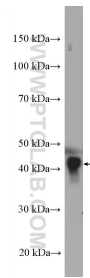
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

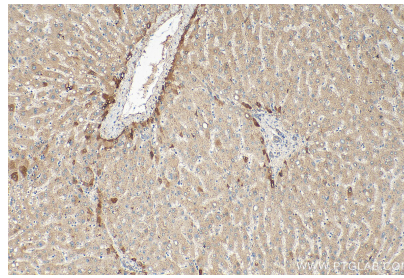
For technical support and original validation data for this product please contact:
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Selected Validation Data



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 10× lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).