Apolipoprotein AI Polyclonal antibody

Catalog Number:14427-1-AP

Featured Product   **41 Publications**

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Basic Information

Catalog Number:
14427-1-AP

Size:
150ul , Concentration: 700 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG5793

GenBank Accession Number:
BC005380

GeneID (NCBI):
335

UNIPROT ID:
P02647

Full Name:
apolipoprotein A-I

Calculated MW:
31 kDa

Observed MW:
26-30 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:50-1:500
IF-P 1:50-1:500
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA

Cited Applications:
WB, IHC, IF, IP

Species Specificity:
human, mouse

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 : human blood tissue, human brain tissue, human plasma, human ileum tissue

IHC : human liver cancer tissue, human liver tissue, human lung tissue

IF-P : mouse liver tissue,

IF/ICC : HeLa cells,

Background Information

ApoA1 is a major protein component of high density lipoproteins (HDL) which is associated with reversed cholesterol transport, lipid/cholesterol binding, lecithin/cholesterol acyltransferase (LCAT) activation and specific receptors binding. It is synthesized in the liver and small intestine. Defects of ApoA1 cause low HDL level and systemic non-neuropathic amyloidosis. Serum concentration of ApoA1 is inversely related to the risk of developing atherosclerosis. This antibody was generated against the C-terminal region of human ApoA1.

Notable Publications

Author	Pubmed ID	Journal	Application
Jiaqi Li	29285103	Exp Ther Med	WB
Te Bu	34815799	Theranostics	WB
Rui Xiang Chen	36203339	Liver Int	WB,IHC,IF

Storage

Storage:
Store at -20℃. 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
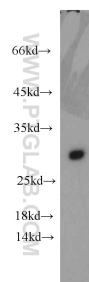
*** 20ul sizes contain 0.1% BSA**
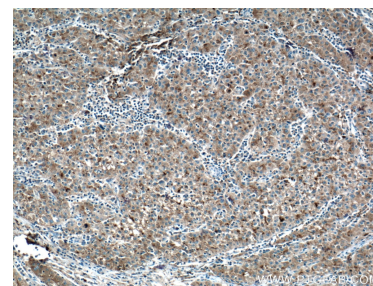
human blood were subjected to SDS PAGE followed by western blot with 14427-1-AP (Apolipoprotein AI antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.
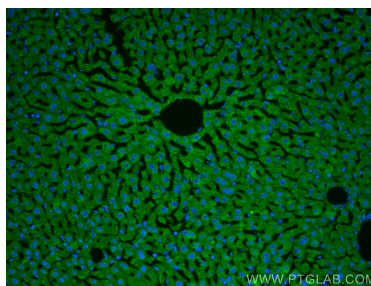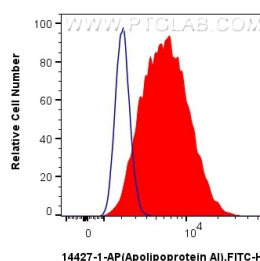

Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using Apolipoprotein AI antibody (14427-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).


Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14427-1-AP (Apolipoprotein AI antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).
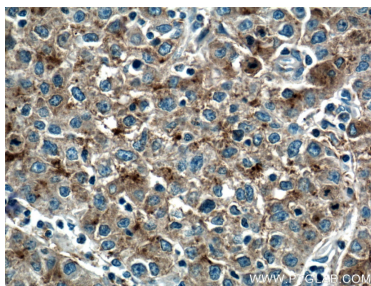

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14427-1-AP (Apolipoprotein AI antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

1X10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human Apolipoprotein AI (14427-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).
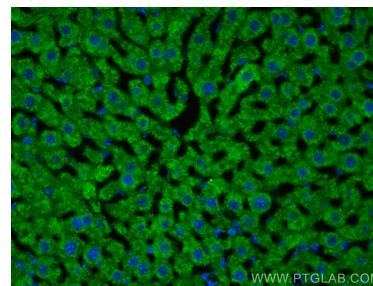
Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using Apolipoprotein AI antibody (14427-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).
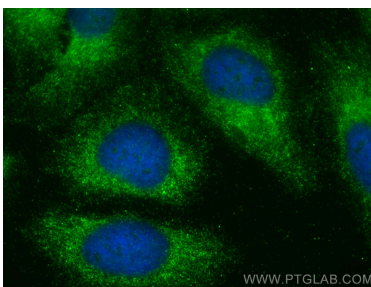
Immunofluorescent analysis of (-20℃ Ethanol) fixed HeLa cells using Apolipoprotein AI antibody (14427-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).