

Apolipoprotein AI Polyclonal Antibody

Catalog number: 14427-1-AP

Size: 78 µg/150 µl

Source: Rabbit

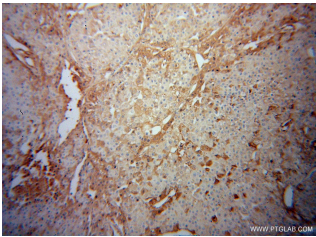
Isotype: IgG

Synonyms:

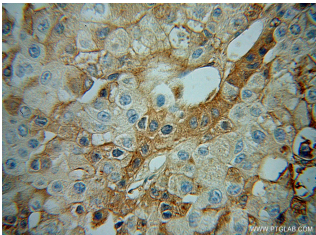
APOA1; Apo AI, Apo A I,

APOA1, apolipoprotein A I,

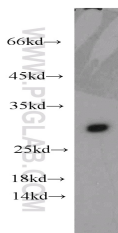
Apolipoprotein A1



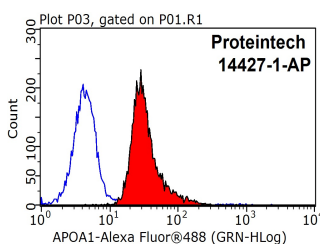
Immunohistochemical of paraffin-embedded human liver cancer using 14427-1-AP (ApoA1 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human liver cancer using 14427-1-AP (ApoA1 antibody) at dilution of 1:100 (under 40x lens)



human blood tissue were subjected to SDS PAGE followed by western blot with 14427-1-AP (ApoA1 antibody) at dilution of 1:1000



1X10⁶ HepG2 cells were

Background

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.

Applications

Tested applications:	ELISA, WB, IHC, FC, IP
Cited applications:	IHC
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Human
Calculated Apolipoprotein AI	31 kDa
MW:	
Observed Apolipoprotein AI	26-30kd
MW:	
Positive WB detected in	Human blood tissue, human brain tissue, human ileum tissue, mouse lung tissue, PC-13 cells
Positive IP detected in	Mouse lung tissue
Positive IHC detected in	Human liver cancer tissue, human lung tissue
Positive FC detected in	HepG2 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 FC: N/A

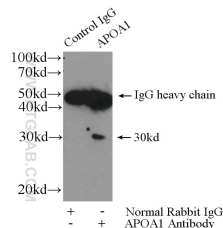
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5793
GenBank accession number:	BC005380
Gene ID (NCBI):	335
Full name:	Apolipoprotein A-I

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



IP Result of anti-APOA1

stained with 0.2ug APOA1 antibody (14427-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.

(IP:14427-1-AP, 4ug; Detection:14427-1-AP 1:500) with mouse lung tissue lysate 2800ug.