

CoraLite®594-conjugated Apolipoprotein A-I Polyclonal antibody

Catalog Number: **CL594-14427**

Basic Information

Catalog Number: CL594-14427	GenBank Accession Number: BC005380	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 335	Recommended Dilutions: IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: P02647	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG	Full Name: apolipoprotein A-I	
Immunogen Catalog Number: AG5793	Calculated MW: 31 kDa	
	Observed MW: 26-30 kDa	

Applications

Tested Applications: IF-P, FC (Intra)	Positive Controls: IF-P : mouse liver tissue,
Species Specificity: human, mouse	

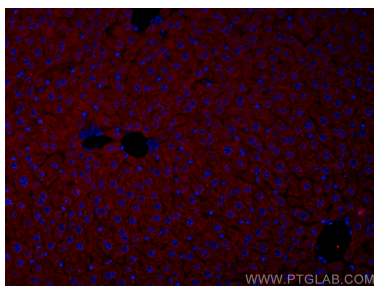
Background Information

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.

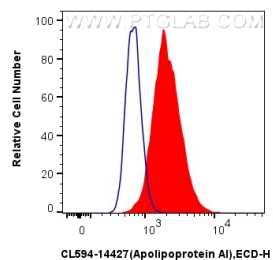
Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using CoraLite®594 Apolipoprotein AI antibody (CL594-14427) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human Apolipoprotein AI (CL594-14427) (red), or 0.4 ug CoraLite®594-conjugated Rabbit IgG control Rabbit PolyAb (CL594-30000, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).