

For Research Use Only

Apolipoprotein A-I Recombinant antibody, PBS Only

Catalog Number: 83504-1-PBS



Basic Information

Catalog Number:

83504-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

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:

Protein A purification

CloneNo.:

240269F1

Applications

Tested Applications:

WB, IHC, FC (Intra), ELISA

Species Specificity:

human

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.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

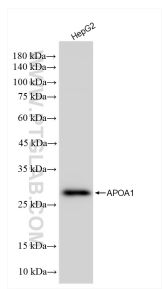
T: 4006900926

E: Proteintech-CN@ptglab.com

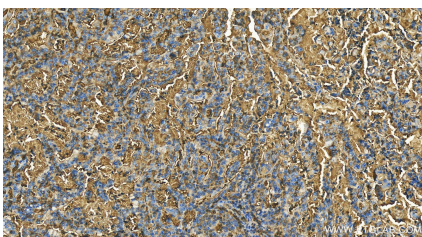
W: ptgcn.com

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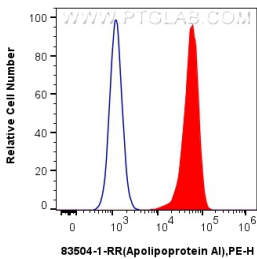
Selected Validation Data



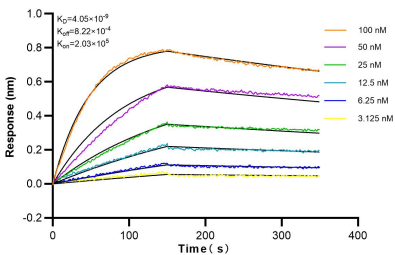
HepG2 cells were subjected to SDS PAGE followed by western blot with 83504-1-RR (Apolipoprotein AI antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83504-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83504-1-RR (Apolipoprotein AI antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer(pH9). This data was developed using the same antibody clone with 83504-1-PBS in a different storage buffer formulation.



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug Apolipoprotein AI Recombinant antibody (83504-1-RR, Clone:240269F1) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83504-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83504-1-RR against Human Apolipoprotein AI were performed. The affinity constant is 4.05 nM.