

For Research Use Only

Apolipoprotein A1 Monoclonal ANTIBODY



Catalog Number: 66206-1-Ig **2 Publications**

Basic Information

Catalog Number: 66206-1-Ig	GenBank Accession Number: BC005380	Purification Method: Protein A purification
Size: 150UL, Concentration: 1067 µg/ml by 335 Bradford method using BSA as the standard;	GeneID (NCBI): apolipoprotein A-1	CloneNo.: 1C9G5
Source: Mouse	Full Name: apolipoprotein A-1	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG2b	Calculated MW: 31 kDa	
Immunogen Catalog Number: AG21920	Observed MW: 26-28 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB: human plasma tissue, IHC: human liver cancer tissue, mouse kidney tissue IF: HepG2 cells,
Cited Applications: WB	
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	

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
Hideaki Morishita	31526472	Elife	WB
Zhuona Rong	28512230	Mol Cell Proteomics	WB

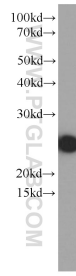
Storage

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

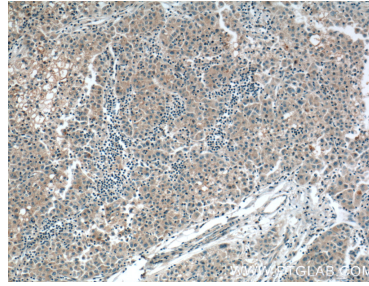
For technical support and original validation data for this product please contact:
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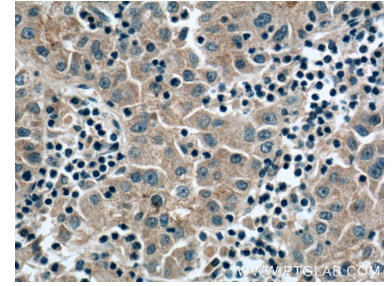
Selected Validation Data



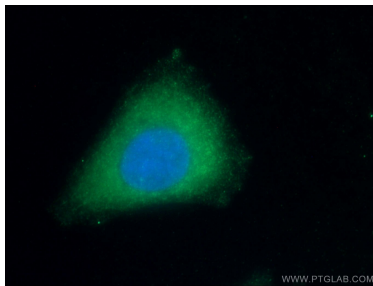
human plasma were subjected to SDS PAGE followed by western blot with 66206-1-Ig (APOA1 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66206-1-Ig (APOA1 Antibody) at dilution of 1:400 (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 66206-1-Ig (APOA1 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66206-1-Ig (APOA1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).