

For Research Use Only

Apolipoprotein A II/APOA2 Monoclonal antibody

Catalog Number: 66773-1-Ig

1 Publications



Basic Information

Catalog Number: 66773-1-Ig	GenBank Accession Number: BC005282	Purification Method: Protein A purification
Size: 150ul, Concentration: 900 µg/ml by Nanodrop and 800 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 336	CloneNo.: 1G1A2
Source: Mouse	UNIPROT ID: P02652	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Isotype: IgG2b	Full Name: apolipoprotein A-II	
Immunogen Catalog Number: AG9863	Calculated MW: 100 aa, 11 kDa	
	Observed MW: 8-11 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : human plasma tissue, IHC : human liver cancer tissue,
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	

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

Apolipoprotein A-II (APOA2) is a major component of high density lipoprotein (HDL) and it plays an important role in directing the fate of lipid metabolism among HDL. It is primarily synthesized by liver. The predicted MW of ApoA2 is 11 kDa, while the mature form is smaller (7-10 kDa) since the signal peptide was cleaved. In humans, most of circulating apoA2 exist as dimer. Five types of APOA2 dimer exist: homodimer apoA2-ATQ/ATQ, heterodimer apoA2-ATQ/AT, homodimer apoA2-AT/AT, apoA2-AT/A, and apoA2-A/A. ApoA2 isoforms are considered to be some of the most promising serum/plasma biomarkers for aiding the early detection of pancreatic cancer. (PMID: 29081441, 29481802)

Notable Publications

Author	Pubmed ID	Journal	Application
Junjie Zhang	39578076	Life Sci Alliance	WB

Storage

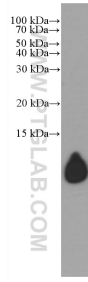
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

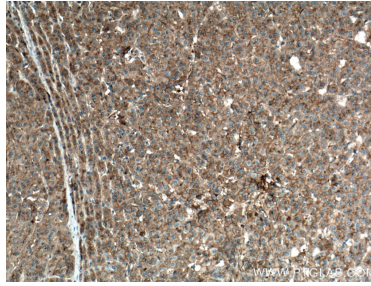
For technical support and original validation data for this product please contact:
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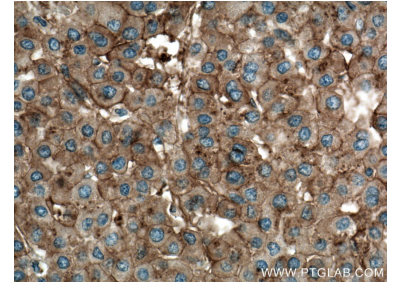
Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 66773-1-Ig (Apolipoprotein A II/APOA2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66773-1-Ig (Apolipoprotein A II/APOA2 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 66773-1-Ig (Apolipoprotein A II antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).