

For Research Use Only

# Apolipoprotein A II/APOA2 Monoclonal antibody

Catalog Number: 66773-1-Ig

1 Publications



## Basic Information

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

## Applications

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

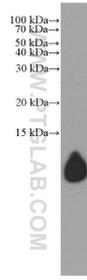
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

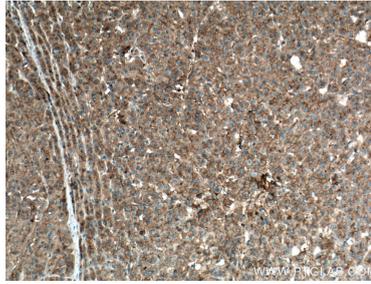
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

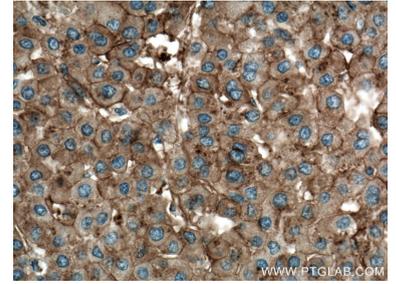
## Selected Validation Data



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).