

Apolipoprotein A II/APOA2 Monoclonal antibody

Catalog Number: 66773-1-Ig

1 Publications

Basic Information

Catalog Number:

66773-1-Ig

Concentration:

900 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG9863

GenBank Accession Number:

BC005282

GeneID (NCBI):

336

UNIPROT ID:

P02652

Full Name:

apolipoprotein A-II

Calculated MW:

100 aa, 11 kDa

Observed MW:

8-11 kDa

Purification Method:

Protein A purification

CloneNo.:

1G1A2

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

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

Positive Controls:

WB : human plasma tissue,

IHC : human liver cancer tissue,

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

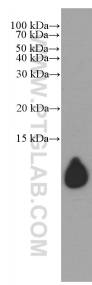
For technical support and original validation data for this product please contact:

T: 4006900926

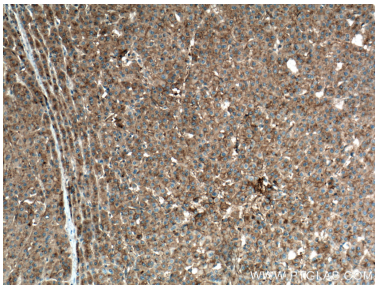
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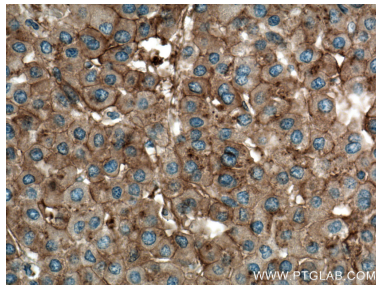
Selected Validation Data



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).