

For Research Use Only

Apolipoprotein CIII Polyclonal antibody

Catalog Number: 22262-1-AP

1 Publications



Basic Information

Catalog Number:

22262-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 427 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000040

GeneID (NCBI):

345

UNIPROT ID:

P02656

Full Name:

apolipoprotein C-III

Calculated MW:

11 kDa

Observed MW:

11 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

IHC

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : human plasma,

IHC : human liver tissue,

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 CIII (apoCIII) is the most abundant C-apolipoprotein in human and is found on very low density lipoproteins, chylomicrons, and high density lipoproteins (HDL) (PMID: 18408013). ApoCIII inhibits lipoprotein lipase as well as binding of lipoproteins to cell surface heparan sulfate proteoglycans and receptors (PMID: 26228667). ApoC-III has 3 actions that can impair plasma lipoprotein metabolism and lead to hypertriglyceridemia (PMID: 24941081).

Notable Publications

Author	Pubmed ID	Journal	Application
Delin Wang	37994343	Curr Urol	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

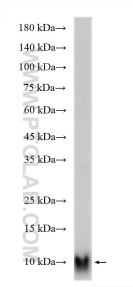
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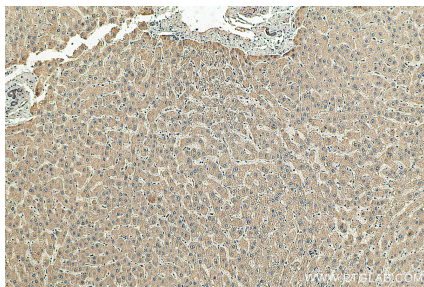
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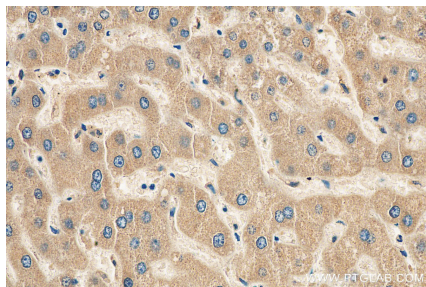
Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 22262-1-AP (APOC3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 22262-1-AP (APOC3 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 tissue slide using 22262-1-AP (APOC3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).