

APOC3 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7797b

Specification

APOC3 Antibody (C-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	P02656
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	10852
Antigen Region	70-99

APOC3 Antibody (C-term) - Additional Information

Gene ID 345

Other Names

Apolipoprotein C-III, Apo-CIII, ApoC-III, Apolipoprotein C3, APOC3

Target/Specificity

This APOC3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 70~99 amino acids from the C-term region of human APOC3.

Dilution

IHC-P~~1:10~50

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

APOC3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

APOC3 Antibody (C-term) - Protein Information

Name APOC3

Function Component of triglyceride-rich very low density lipoproteins (VLDL) and high density

lipoproteins (HDL) in plasma (PubMed:[18201179](#), PubMed:[22510806](#)). Plays a multifaceted role in triglyceride homeostasis (PubMed:[18201179](#), PubMed:[22510806](#)). Intracellularly, promotes hepatic very low density lipoprotein 1 (VLDL1) assembly and secretion; extracellularly, attenuates hydrolysis and clearance of triglyceride- rich lipoproteins (TRLs) (PubMed:[18201179](#), PubMed:[22510806](#)). Impairs the lipolysis of TRLs by inhibiting lipoprotein lipase and the hepatic uptake of TRLs by remnant receptors (PubMed:[18201179](#), PubMed:[22510806](#)). Formed of several curved helices connected via semiflexible hinges, so that it can wrap tightly around the curved micelle surface and easily adapt to the different diameters of its natural binding partners (PubMed:[18408013](#)).

Cellular Location

Secreted

Tissue Location

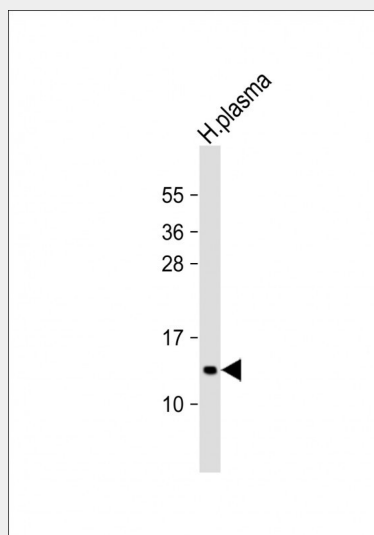
Liver..

APOC3 Antibody (C-term) - Protocols

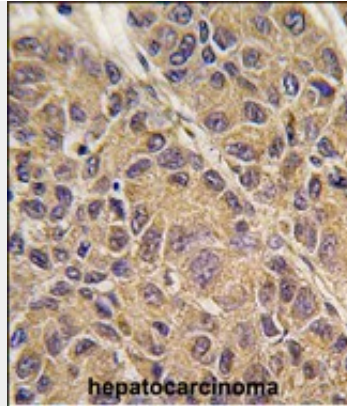
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

APOC3 Antibody (C-term) - Images



Anti-APOC3 Antibody (C-term) at 1:2000 dilution + human plasma lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 11 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with APOC3 antibody (C-term) (Cat.#AP7797b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

APOC3 Antibody (C-term) - Background

Apolipoprotein C-III is a very low density lipoprotein (VLDL) protein. APOC3 inhibits lipoprotein lipase and hepatic lipase; it is thought to delay catabolism of triglyceride-rich particles. The APOA1, APOC3 and APOA4 genes are closely linked in both rat and human genomes. The A-I and A-IV genes are transcribed from the same strand, while the A-1 and C-III genes are convergently transcribed. An increase in apoC-III levels induces the development of hypertriglyceridemia.

APOC3 Antibody (C-term) - References

Liu, Y., *Pharmacogenet. Genomics* 19 (2), 161-169 (2009)
Pollin, T.I., *Science* 322 (5908), 1702-1705 (2008)