

APOC3 Antibody

Rabbit mAb Catalog # AP91379

Product Information

ApplicationWB, IHCPrimary AccessionP02656ReactivityHumanClonalityMonoclonal

Other Names APOC3; APO C3; Apo CIII; ApoC III; APOC3; ApoCIII; Apolipoprotein C III;

Apolipoprotein C3;

IsotypeRabbit IgGHostRabbitCalculated MW10852

Additional Information

Dilution WB 1:500~1:2000 IHC 1:50~1:200

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human APOC3

Description Inhibits lipoprotein lipase and hepatic lipase and decreases the uptake of

lymph chylomicrons by hepatic cells. This suggests that it delays the

catabolism of triglyceride-rich particles.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

Protein Information

Name APOC3

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

density lipoproteins (HDL) in plasma (PubMed:<u>18201179</u>, PubMed:<u>22510806</u>). Plays a multifaceted role in triglyceride homeostasis (PubMed:<u>18201179</u>, PubMed:<u>22510806</u>). Intracellularly, promotes hepatic very low density lipoprotein 1 (VLDL1) assembly and secretion; extracellularly, attenuates

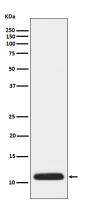
hydrolysis and clearance of triglyceride- rich lipoproteins (TRLs)

(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

Images



Western blot analysis of APOC3 expression in human plasma lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.