

Product name:	ApoC-III Rabbit Polyclonal Antibody
Cat number:	ABN07032
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from the C-terminal region of human APOC3. AA range:46-95
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight:	11kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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. [provided by RefSeq, Jul 2008],disease:Defects in APOC3 may be a cause of hyperalphalipoproteinemia [MIM:143470]. Affected individuals show high levels of alpha-lipoprotein (high density lipoprotein/HDL).,function: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.,PTM:O-linked glycan consists of Gal-GalNAc disaccharide, further modified with up to 3 sialic acid residues.,similarity:Belongs to the apolipoprotein C3 family.,tissue specificity:Constitutes 50% of the protein fraction of VLDL and 2% of that of HDL. Synthesized predominantly in liver and to a lesser degree in intestine.,