Product Name: ApoC-III Rabbit Polyclonal Antibody
Catalog #: APRab07032

Summary

Production Name	ApoC-III Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	APOC3
Alternative Names	APOC3; Apolipoprotein C-III; Apo-CIII; ApoC-III; Apolipoprotein C3
Gene ID	345.0
SwissProt ID	P02656.The antiserum was produced against synthesized peptide derived from the C-terminal region of human APOC3. AA range:46-95

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:10000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	11kDa

Background

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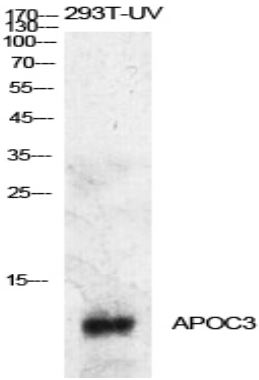
Apolipoprotein C-III is a very low density lipoprotein (VLDL) protein. APOC3 inhibits lipoprotein lipase and hepatic lipase; it is thought to delay catabolism of triglyceride-rich particles. The APOA1, APOC3 and APOA4 genes are closely linked in both rat and human genomes. The A-I and A-IV genes are 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.,

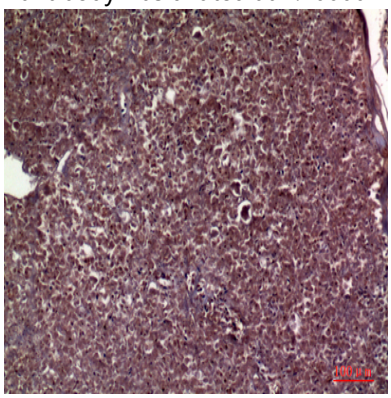
Research Area

PPAR;

Image Data



Western Blot analysis of 293T-UV cells using ApoC-III Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-pancreas, antibody was diluted at 1:100

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Note

For research use only.