



ApoC-III Polyclonal Antibody

Catalog No	YP-Ab-00774
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	APOC3
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human APOC3. AA range:46-95
Specificity	ApoC-III Polyclonal Antibody detects endogenous levels of ApoC-III protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	APOC3;Apo CIII;ApoC III;APOCIII;Apo-CIII;ApoC-III;Apolipoprotein C-III;Apolipoprotein C3
Observed Band	11kD
Calculated Molecular Weight	11kD
Cell Pathway	Secreted .
Tissue Specificity	Liver.
Function	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.,



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],

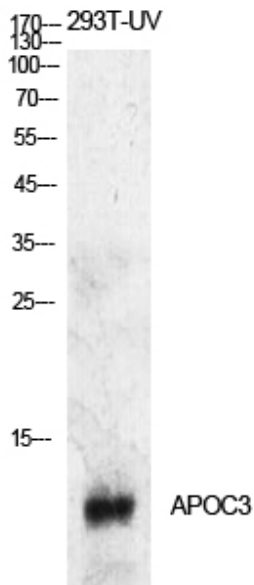
matters needing attention

Avoid repeated freezing and thawing!

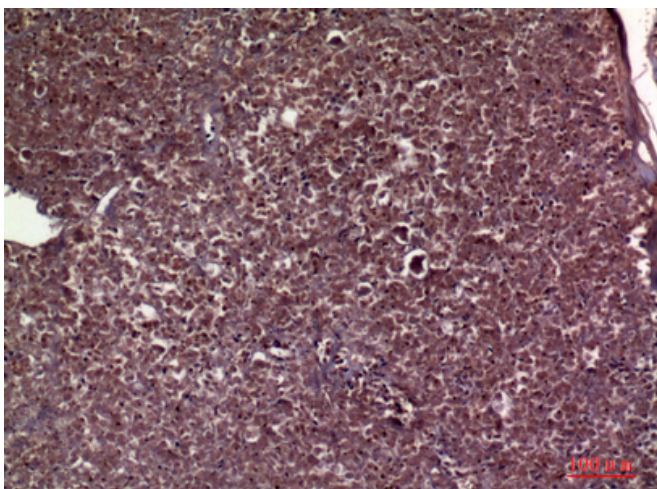
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of 293T-UV cells using ApoC-III Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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