

## ApoC-III Polyclonal Antibody

<b>Catalog No :</b>	YT5550
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	ApoC-III
<b>Fields :</b>	>>PPAR signaling pathway;>>Cholesterol metabolism
<b>Gene Name :</b>	APOC3
<b>Protein Name :</b>	Apolipoprotein C-III
<b>Human Gene Id :</b>	345
<b>Human Swiss Prot No :</b>	P02656
<b>Mouse Swiss Prot No :</b>	P33622
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from the C-terminal region of human APOC3. AA range:46-95
<b>Specificity :</b>	ApoC-III Polyclonal Antibody detects endogenous levels of ApoC-III protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 11kD

**Cell Pathway :** PPAR;

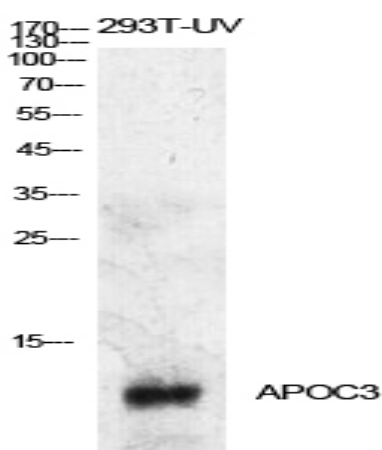
**Background :** Apolipoprotein C-III is a very low density lipoprotein (VLDL) protein. APOC3 inhibits lipoprotein lipase and hepatic lipase; it is thought to delay catabolism of triglyceride-rich particles. The APOA1, APOC3 and APOA4 genes are closely linked in both rat and human genomes. The A-I and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

**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.,

**Subcellular Location :** Secreted .

**Expression :** Liver.

## 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