

## Rabbit Anti-APOC3/Cy5 Conjugated antibody

SL4741R-Cy5

<b>Product Name</b>	Anti-APOC3/Cy5
<b>Chinese Name</b>	Cy5 标记的载 LipoproteinC3 抗体
<b>Alias</b>	APO C3; Apo CIII; Apo-CIII; APOC 3; ApoC III; ApoC-III; APOC3; APOC3_HUMAN; ApoCIII; Apolipoprotein C III; Apolipoprotein C-III; Apolipoprotein C3; ApolipoproteinCIII; MGC150353.
<b>Research Area</b>	Tumour Cardiovascular Cell biology immunology Signal transduction Lipoprotein The new supersedes the old
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted:Human,Cow) ICC/IF=1:50-200,IF=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	9kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human APOC3
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> Apolipoprotein C-III is a very low density lipoprotein (VLDL) protein. It inhibits lipoprotein lipase and hepatic lipase and it is thought to delay catabolism of triglyceride-rich particles. An increase in apoC-III levels induces the development of hypertriglyceridemia.

**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.

**Subcellular Location:**

Secreted.

**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.

**Post-translational modifications:**

O-linked glycan consists of Gal-GalNAc disaccharide, further modified with up to 3 sialic acid residues. O-glycosylated on Thr-94 with a core 1 or possibly core 8 glycan.

**DISEASE:**

Hyperalphalipoproteinemia 2 (HALP2) [MIM:614028]: A condition characterized by high levels of high density lipoprotein (HDL) and increased HDL cholesterol levels. Note=The disease is caused by mutations affecting the gene represented in this entry.

**Similarity:**

Belongs to the apolipoprotein C3 family.

**Database links:**

[Entrez Gene: 345](#) Human

[Entrez Gene: 11814](#) Mouse

[Entrez Gene: 24207](#) Rat

[Omim: 107720](#) Human

[SwissProt: P02656](#) Human

[SwissProt: P33622](#) Mouse

[SwissProt: P06759](#) Rat

[Unigene: 73849](#) Human

[Unigene: 390161](#) Mouse

[Unigene: 195323](#) Rat



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