SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-APOC3/AF647 Conjugated antibody

Catalog Number: SL4741R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-APOC3/AF647
Immunogen:	KLH conjugated synthetic peptide derived from human APOC3
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	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.
Applications:	ICC/IF=1:50-200 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Cow)
Background:	background: 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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	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 Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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