ARG40324
anti-Apolipoprotein CII antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Apolipoprotein CII
Tested Reactivity	Hu, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Apolipoprotein CII
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-101 of Human Apolipoprotein CII (NP_000474.2).
Conjugation	Un-conjugated
Alternate Names	ProapoC-II; APOC-II; Apo-CII; ApoC-II; Apolipoprotein C-II; Apolipoprotein C2; APO-CII

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	HL-60
Observed Size	~ 14 kDa

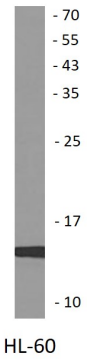
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	APOC2
Gene Full Name	apolipoprotein C-II
Background	This gene encodes a lipid-binding protein belonging to the apolipoprotein gene family. The protein is secreted in plasma where it is a component of very low density lipoprotein. This protein activates the enzyme lipoprotein lipase, which hydrolyzes triglycerides and thus provides free fatty acids for cells. Mutations in this gene cause hyperlipoproteinemia type IB, characterized by hypertriglyceridemia, xanthomas, and increased risk of pancreatitis and early atherosclerosis. This gene is present in a cluster with other related apolipoprotein genes on chromosome 19. Naturally occurring read-through transcription exists between this gene and the neighboring upstream apolipoprotein C-IV (APOC4) gene. [provided by RefSeq, Mar 2011]
Function	Component of chylomicrons, very low-density lipoproteins (VLDL), low-density lipoproteins (LDL), and high-density lipoproteins (HDL) in plasma. Plays an important role in lipoprotein metabolism as an activator of lipoprotein lipase. Both proapolipoprotein C-II and apolipoprotein C-II can activate lipoprotein lipase. In normolipidemic individuals, it is mainly distributed in the HDL, whereas in hypertriglyceridemic individuals, predominantly found in the VLDL and LDL. [UniProt]
Calculated Mw	11 kDa
PTM	Proapolipoprotein C-II is synthesized as a sialic acid containing glycoprotein which is subsequently desialylated prior to its proteolytic processing. Proapolipoprotein C-II, the major form found in plasma undergoes proteolytic cleavage of its N-terminal hexapeptide to generate apolipoprotein C-II, which occurs as the minor form in plasma. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG40324 anti-Apolipoprotein CII antibody WB image

Western blot: 25 µg of HL-60 cell lysate stained with ARG40324 anti-Apolipoprotein CII antibody.