

ARG58355 anti-Apolipoprotein CIII antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Apolipoprotein CIII
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Apolipoprotein CIII
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence within aa. 1-99 of Human Apolipoprotein CIII (NP_000031.1).
Conjugation	Un-conjugated
Alternate Names	Apo-CIII; ApoC-III; APOCIII; Apolipoprotein C3; HALP2; Apolipoprotein C-III

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	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.

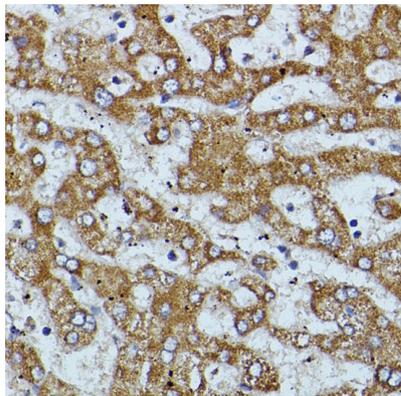
Properties

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

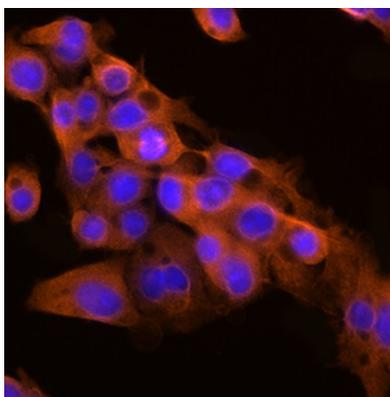
Gene Symbol	APOC3
Gene Full Name	apolipoprotein C-III
Background	Apolipoprotein C-III is a very low density lipoprotein (VLDL) protein. APOC3 inhibits lipoprotein lipase and hepatic lipase; it is thought to delay catabolism of triglyceride-rich particles. The APOA1, APOC3 and APOA4 genes are closely 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	Component of triglyceride-rich very low density lipoproteins (VLDL) and high density lipoproteins (HDL) in plasma. Plays a multifaceted role in triglyceride homeostasis. Intracellularly, promotes hepatic very low density lipoprotein 1 (VLDL1) assembly and secretion; extracellularly, attenuates hydrolysis and clearance of triglyceride-rich lipoproteins (TRLs). Impairs the lipolysis of TRLs by inhibiting lipoprotein lipase and the hepatic uptake of TRLs by remnant receptors. [UniProt]
Calculated Mw	11 kDa
PTM	The most abundant glycoforms are characterized by an O-linked disaccharide galactose linked to N-acetylgalactosamine (Gal-GalNAc), further modified with up to 3 sialic acid residues. Less abundant glycoforms are characterized by more complex and fucosylated glycan moieties. O-glycosylated on Thr-94 with a core 1 or possibly core 8 glycan. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG58355 anti-Apolipoprotein CIII antibody IHC-P image

Immunohistochemistry: Human liver stained with ARG58355 anti-Apolipoprotein CIII antibody at 1:100 dilution.

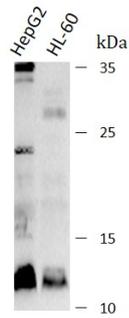


ARG58355 anti-Apolipoprotein CIII antibody ICC/IF image

Immunofluorescence: HepG2 stained with ARG58355 anti-Apolipoprotein CIII antibody at 1:200 dilution.

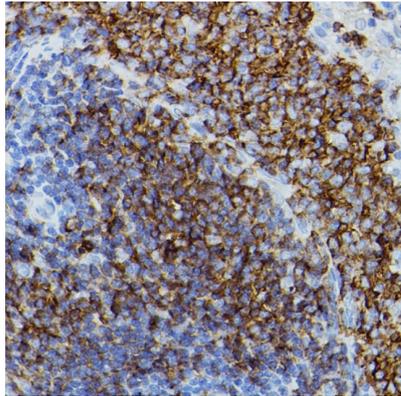
ARG58355 anti-Apolipoprotein CIII antibody WB image

Western blot: HepG2 and HL-60 stained with ARG58355 anti-Apolipoprotein CIII antibody at 1:1000 dilution.



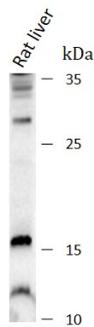
ARG58355 anti-Apolipoprotein CIII antibody IHC-P image

Immunohistochemistry: Rat spleen stained with ARG58355 anti-Apolipoprotein CIII antibody at 1:100 dilution.



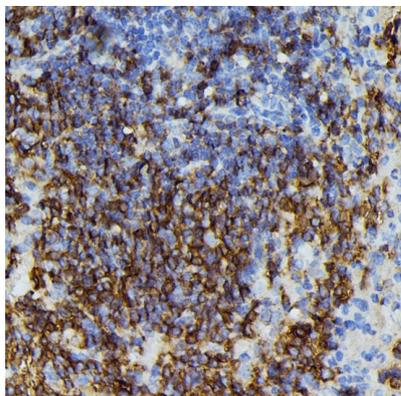
ARG58355 anti-Apolipoprotein CIII antibody WB image

Western blot: Rat liver stained with ARG58355 anti-Apolipoprotein CIII antibody at 1:1000 dilution.



ARG58355 anti-Apolipoprotein CIII antibody IHC-P image

Immunohistochemistry: Mouse spleen stained with ARG58355 anti-Apolipoprotein CIII antibody at 1:100 dilution.



ARG58355 anti-Apolipoprotein CIII antibody WB image

Western blot: Mouse liver stained with ARG58355 anti-Apolipoprotein CIII antibody at 1:1000 dilution.

