

Recombinant Anti-Apolipoprotein C1 Rabbit mAb

Catalog # AP95203

Product Information

Application	WB, IHC, FC, IP, IF/IC
Primary Accession	P02654
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	9332

Additional Information

Gene ID	341
Other Names	Apolipoprotein C-I; Apolipoprotein C1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Apolipoprotein C1 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

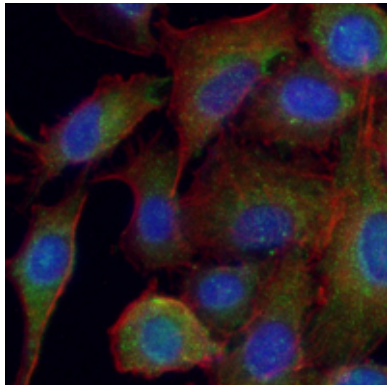
Protein Information

Name	APOC1
Function	Inhibitor of lipoprotein binding to the low density lipoprotein (LDL) receptor, LDL receptor-related protein, and very low density lipoprotein (VLDL) receptor. Associates with high density lipoproteins (HDL) and the triacylglycerol-rich lipoproteins in the plasma and makes up about 10% of the protein of the VLDL and 2% of that of HDL. Appears to interfere directly with fatty acid uptake and is also the major plasma inhibitor of cholesteryl ester transfer protein (CETP). Binds free fatty acids and reduces their intracellular esterification. Modulates the interaction of APOE with beta-migrating VLDL and inhibits binding of beta-VLDL to the LDL receptor-related protein.
Cellular Location	Secreted.
Tissue Location	Synthesized mainly in liver and to a minor degree in intestine. Also found in the lung and spleen

Images



Western blot analysis of Apolipoprotein C1 expression in human plasma (A) whole cell lysates. (Predicted band size: 9 kD; Observed band size: 9 kD)



Immunofluorescent analysis of Apolipoprotein C1 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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