

Anti-APOLIPOPROTEINC-III APOC3 Antibody

Catalog Number: A01416

About APOC3

Anti Apolipoprotein C-III antibody recognizes the gene product of APOC. Apolipoprotein C-III is a protein component of very low density lipoprotein (VLDL). APOC3 inhibits lipoprotein lipase and hepatic lipase; it is thought to inhibit hepatic uptake 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. This antibody is suitable for cardiovascular research.

Overview

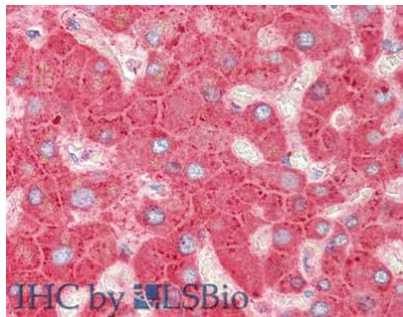
Product Name	Anti-APOLIPOPROTEINC-III APOC3 Antibody
Reactive Species	Human
Description	Boster Bio Anti-APOLIPOPROTEINC-III APOC3 Antibody (Catalog # A01416). Tested in IHC applications. This antibody reacts with Human.
Conjugate	FITC
Application	ELISA, IP, IHC, WB
Clonality	Polyclonal
Formulation	0.125 M Sodium Borate, 0.075 M Sodium Chloride, 0.005 M EDTA, pH 8.0, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at 4°C prior to opening. This product is stable 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of opening. (Ship on wet ice.)
Host	Goat
Uniprot ID	P02656

Technical Details

Immunogen	produced from apoLipoprotein Type C-III derived from human plasma
Predicted Reactive Species	Bovine, Goat, Guinea Pig, Hamster, Monkey, Sheep
Cross Reactivity	Detects ~20kDa. Does not cross-react with alphaB-crystallin, betaL-crystallin, ̢H- crystallin, gamma-crystallin, HSP25, HSP27 or HSP47 proteins.
Isotype	IgG
Form	Liquid (sterile filtered)

Concentration	1.0 mg/mL by UV absorbance at 280 nm
Purification	This product has been prepared by immunoaffinity chromatography using immobilized antigens followed by extensive cross-adsorption against other apoLipoproteins and human serum proteins to remove any unwanted specificities. Typically less than 1% cross-reactivity against other types of apoLipoprotein was detected by ELISA against purified standards. This antibody reacts with human apoLipoprotein C-III and has negligible cross-reactivity with Type A-I, A-II, B, C-I, C-II, E and J apoLipoproteins. Specific cross reaction of anti-apoLipoprotein antibodies with antigens from other species has not been determined. Non-specific cross reaction of anti-apoLipoprotein antibodies with other human serum proteins is negligible.
Suggested Dilutions	ELISA: 1:5,000 - 1:10,000 IHC: 1:50 - 1:200 IP: 1:100 WB: 1:500 - 1:5,000 Anti-Apolipoprotein antibodies have been tested in immunohistochemistry and used for indirect trapping ELISA for quantitation of antigen in serum using a standard curve, immunoprecipitation, immunohistochemistry, and for western blotting for highly sensitive qualitative analysis. When performing immunoblotting assays - do not block with blotto. Blotto formulations tend to contain apoLipoprotein Type C-III and will neutralize antibody activity.

Anti-APOLIPOPROTEINC-III APOC3 Antibody (A01416) Images



Immunohistochemistry of goat anti-Apolipoprotein C-III antibody. Tissue: human liver. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Apolipoprotein C-III at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase goat secondary antibody at 1:10,000 for 45 min at RT. Staining: Apolipoprotein C-III as precipitated red signal with hematoxylin purple nuclear counterstain.

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For Research Use Only. Not for use in diagnostic procedures.