

Product Datasheet

Apolipoprotein CIII Antibody - BSA Free NB600-610

Unit Size: 0.1 mg

Store at 4C short term. For extended storage, add an equal volume of glycerol, aliquot and store at -20C or below. Avoid repeated freeze-thaw cycles.

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NB600-610**Apolipoprotein CIII Antibody - BSA Free**

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. For extended storage, add an equal volume of glycerol, aliquot and store at -20C or below. Avoid repeated freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.125 M Sodium Borate, 0.075 M Sodium Chloride, 0.005 M EDTA, pH 8.0

Product Description	
Description	<p>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</p> <p>Store vial at 4C prior to opening. This product is stable 4C 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 -20C or below. Avoid cycles of freezing and thawing.</p>
Host	Goat
Gene ID	345
Gene Symbol	APOC3
Species	Human, Bovine
Reactivity Notes	Non-specific cross reaction of anti-apoLipoprotein antibodies with other human serum proteins is negligible. Bovine reactivity reported in scientific literature (PMID: 29852444).
Specificity/Sensitivity	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.
Immunogen	produced from Apolipoprotein CIII derived from human plasma (Uniprot: P02656)

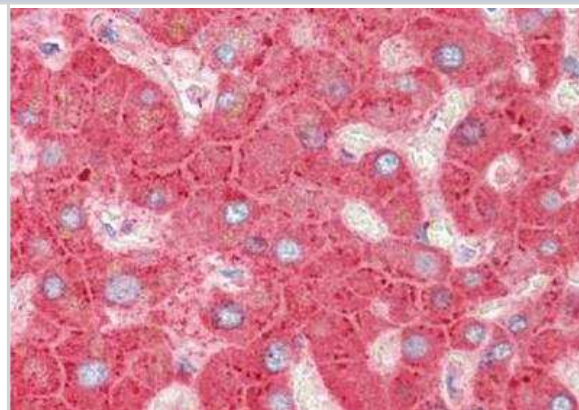
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:5000, ELISA 1:5000-1:10000, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunoprecipitation 1:100, Immunohistochemistry-Paraffin 1:10-1:500

Application Notes

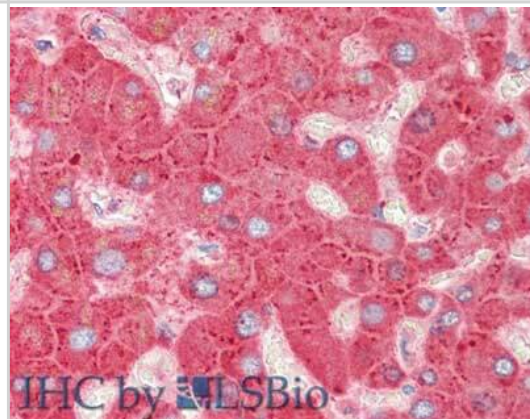
This product have been tested in immunohistochemistry and used for indirect trapping ELISA for quantitation of antigen in serum using a standard curve, immunoprecipitation, immunohistochemistry, and for western blotting for highly sensitive qualitative analysis. When performing immunoblotting assays - do not block with blotto. Blotto formulations tend to contain apoLipoprotein Type C-III and will neutralize antibody activity.

Images

Immunohistochemistry-Paraffin: Apolipoprotein CIII Antibody [NB600-610] - Tissue: liver.



Immunohistochemistry of Apolipoprotein CIII Antibody. Tissue: human liver. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Apolipoprotein C-III at 2.5 ug/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.

**Publications**

Girolami F, Badino P, Spalenza V et al. Fluoride induced tissue hypercalcemia, IL-17 mediated inflammation and apoptosis lead to cardiomyopathy: ultrastructural and biochemical findings Sci. Total Environ. 2018-05-28 [PMID: 29852444] (WB, Bovine)

Wang Y, Song Z, Wagner JD et al. Development of a sensitive ELISA to quantify apolipoprotein CIII in non-human primate serum. J Lipid Res;52(6):1265-71. 2011-06-01 [PMID: 21371998]



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Products Related to NB600-610

NBL1-07618	Apolipoprotein CIII Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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