

Anti-Apolipoprotein C-II (GOAT) Antibody APOLIPOPROTEIN C-II Antibody Catalog # ASR5072

# Specification

## Anti-Apolipoprotein C-II (GOAT) Antibody - Product Information

Host Goat

Conjugate Unconjugated Target Species Human

Reactivity Human
Clonality Polyclonal

Application WB, IHC, E, IP, I, LCI

Application Note 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.

Physical State Liquid (sterile filtered)

Buffer 0.125 M Sodium Borate, 0.075 M Sodium

Chloride, 0.005 M EDTA, pH 8.0 apoLipoprotein Type C-II produced synthetically in full-length form (not

selected epitopes) using conventional peptide technology.

Preservative 0.01% (w/v) Sodium Azide

#### Anti-Apolipoprotein C-II (GOAT) Antibody - Additional Information

Gene ID 344

**Immunogen** 

Other Names 344

#### **Purity**

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-II and has negligible cross-reactivity with Type A-I, A-II, B, C-I, C-III, 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.

#### **Storage Condition**

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.



## **Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

## Anti-Apolipoprotein C-II (GOAT) Antibody - Protein Information

Name APOC2

Synonyms APC2

#### **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.

**Cellular Location** Secreted.

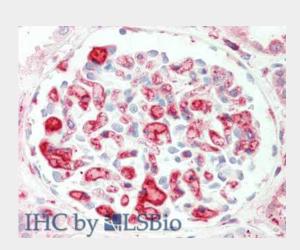
**Tissue Location**Liver and intestine..

# Anti-Apolipoprotein C-II (GOAT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-Apolipoprotein C-II (GOAT) Antibody - Images



Immunohistochemistry of goat anti-Apolipoprotein C-II antibody. Tissue: human kidney. Fixation:





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formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Apolipoprotein C-II at 5  $\mu$ g/mL for 1 h at RT. Secondary antibody: Peroxidase goat secondary antibody at 1:10,000 for 45 min at RT. Staining: Apolipoprotein C-II as precipitated red signal with hematoxylin purple nuclear counterstain.

## Anti-Apolipoprotein C-II (GOAT) Antibody - Background

This antibody is suitable for cardiovascular research.