

Datasheet for ABIN1694411

## **anti-Apolipoprotein C-II antibody (AA 31-101) (AbBy Fluor® 488)**



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### Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | Apolipoprotein C-II (APOC2)                                                                                                    |
| Binding Specificity: | AA 31-101                                                                                                                      |
| Reactivity:          | Human, Mouse                                                                                                                   |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This Apolipoprotein C-II antibody is conjugated to AbBy Fluor® 488                                                             |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                   |                                                                              |
|-------------------|------------------------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human Apolipoprotein CII/APOC2 |
| Isotype:          | IgG                                                                          |
| Cross-Reactivity: | Human, Mouse                                                                 |
| Purification:     | Purified by Protein A.                                                       |

### Target Details

|                   |                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------|
| Target:           | Apolipoprotein C-II (APOC2)                                                             |
| Alternative Name: | APOC2 ( <a href="#">APOC2 Products</a> )                                                |
| Background:       | Synonyms: APC 2, APC2, Apo CII, APOC 2, ApoC II, apoC-II ,APOC2, APOC2 protein, ApoCII, |

## Target Details

Apolipoprotein C II, Apolipoprotein C II precursor, ApolipoproteinCII, MGC75082,  
Background: Apolipoproteins are protein components of plasma lipoproteins (1). The apolipoprotein C gene family encodes four homologous proteins designated apoC-I to -IV, which specifically modulate the metabolism of triglyceride-rich lipoproteins (2). The human apoC-I gene maps to chromosome 19q13.2 and is expressed primarily in the liver where it is activated when monocytes differentiate into macrophages (3,4). The human apoC-II gene maps to chromosome 19q13.2 and encodes a 79 amino acid single chain protein that is a necessary cofactor for the activation of lipoprotein lipase, the enzyme that hydrolyzes triglycerides in plasma and transfers the fatty acids to tissues (57). The human apoC-III gene maps to chromosome 11q23 and encodes a protein that may delay catabolism of triglyceride-rich particles by inhibiting lipoprotein lipase and hepatic lipase (8). The human apoC-IV gene maps to chromosome 19q13.2 and encodes a 127 amino acid protein that is primarily expressed in the liver (9,10).

Gene ID: 344

Pathways: [Lipid Metabolism](#)

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

## Handling

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Expiry Date: 12 months