

## Product datasheet

# Anti-Apolipoprotein CII antibody (FITC) ab27610

### Overview

<b>Product name</b>	Anti-Apolipoprotein CII antibody (FITC)
<b>Description</b>	Goat polyclonal to Apolipoprotein CII (FITC)
<b>Host species</b>	Goat
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Specificity</b>	This antibody specifically binds to human Apolipoprotein CII.
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length native APO CII protein (purified) (Human)
<b>General notes</b>	Molar FITC/ Protein ratio is 4.1.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 5mg/ml BSA, 75mM Sodium chloride, 75mM PBS, 0.5mM EDTA. pH 7.4
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified by human Apolipoprotein CII-Sepharose™ affinity column.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab27610** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent dilution.

## Target

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### Relevance

At least 9 distinct polymorphic forms of apolipoproteins are known. The apolipoproteins act as stabilizers of the intact lipoprotein particles. Quantitative measurements of HDL, LDL and VLDL particles in human serum are often used to estimate an individuals' relative risk of coronary heart disease. In addition, quantitative immunological measurements of certain apolipoproteins (especially A-1 and B) have been suggested to be more accurate estimators of coronary heart disease than measurements of lipoprotein particles (especially HDL and LDL). Apolipoprotein C-II (apoCII) is in found in chylomicrons (large lipoprotein particles absorbed from the gastrointestinal tract) and VLDL (large lipoproteins that are broken down to eventually form LDL). ApoCII activates the enzyme lipoprotein lipase, which hydrolyzes triglycerides and thus provides free fatty acids for cells.

### Cellular localization

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