

## Product datasheet for R1034P

### Apolipoprotein CII (APOC2) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	<p>Anti-apoLipoprotein antibodies have been used for indirect trapping ELISA for quantitation of antigen in serum using a standard curve, for Immunoprecipitation and for Western blotting for highly sensitive qualitative analysis.</p> <p><u>Recommended Dilutions:</u> This product was assayed by Immunoblot and found to be reactive against apoLipoprotein C-II at a dilution of 1:5,000 to 1:10,000.</p> <p>This product was also assayed against 1.0 ug of apoLipoprotein C-II in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&amp;L] (Rabbit) and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:8,000 of the stock concentration is suggested for this product.</p> <p>For Immunohistochemistry on paraffin embedded tissue dilute the product 1:50 to 1:200.</p>
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	ApoLipoprotein Type C-II produced synthetically in full-length form (not selected epitopes) using conventional peptide technology
Specificity:	<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>Typically less than 1% cross reactivity against other types of apoLipoprotein was detected by ELISA against purified standards.</p> <p>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.</p> <p>Non-specific cross reaction of anti-apoLipoprotein antibodies with other human serum proteins is negligible.</p>



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<b>Formulation:</b>	0.125M Sodium Borate, 0.075M Sodium Chloride, 0.005M EDTA; pH 8.0 with 0.01% sodium azide as preservative State: Purified State: Liquid (sterile filtered) purified Ig fraction
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Immunoaffinity chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody (undiluted) at 2-8°C for one month. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20°C or below. Dilute only prior to immediate use. Avoid cycles of freezing and thawing.
<b>Stability:</b>	Shelf life: One year from despatch.
<b>Gene Name:</b>	apolipoprotein C2
<b>Database Link:</b>	<a href="#">Entrez Gene 344 Human P02655</a>
<b>Background:</b>	<p>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).</p> <p>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.</p> <p>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). Abcam's apo-lipoproteins are derived from human plasma by density gradient ultracentrifugation and HPLC.</p>
<b>Synonyms:</b>	Apolipoprotein C-II, Apolipoprotein C2, Apo-CII, ApoC-II, APC2