

## Product datasheet for **BP2082HRP**

### Apolipoprotein CI (APOC1) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Can be used for detection of Apo CI in plasma and lipoproteins. Immunoassay and Western blots (dilution 1:1,000 - 1:4,000).
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Specificity:	Binds to human Apo CI. No cross reactivity with other human plasma apoproteins.
Formulation:	50 mM PBS, pH 7.4 containing 0.1 M Sodium Chloride and 10 mg/ml BSA as stabilizer and 0.01 % Thimerosal as preservative. Label: HRP State: Lyophilized purified Ig fraction Label: Conjugated to Horseradish peroxidase
Concentration:	lot specific
Purification:	Immunoaffinity by Human Apo CI Sepharose column.
Conjugation:	HRP
Storage:	Prior to reconstitution store the antibody at 2-8 °C. Following reconstitution store undiluted at 2-8 °C for one month or at -20°C for longer. This product is photosensitive and should be protected from light. Should it contain a precipitate we recommend microcentrifugation before use. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	apolipoprotein C1
Database Link:	<a href="#">Entrez Gene 341 Human P02654</a>



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**Background:**

The protein encoded by this gene is a member of the apolipoprotein C1 family. This gene is expressed primarily in the liver, and it is activated when monocytes differentiate into macrophages. A pseudogene of this gene is located 4 kb downstream in the same orientation, on the same chromosome. This gene is mapped to chromosome 19, where it resides within a apolipoprotein gene cluster. Alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. Apolipoprotein C-I appears to modulate the interaction of APOE with beta migrating VLDL and inhibit binding of beta VLDL to the LDL receptor related protein.

**Synonyms:**

Apolipoprotein C-I, Apolipoprotein C1, Apo-CI, ApoC-I