

**Rabbit anti-human C-reactive protein (CRP)  
polyclonal antibody**  
Catalog Number: R14001P



**General Information**

<b>Immunogen</b>	Full length recombinant human CRP Protein
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Polyclonal
<b>Applications</b>	WB, ELISA, ITA
<b>Pairing antibody</b>	Not tested
<b>Specificity</b>	Human CRP
<b>Formulation</b>	0.22 µM filtered solution of PBS, 0.09% NaN <sub>3</sub> , pH 7.4
<b>Purity</b>	> 95% determined by SDS-PAGE
<b>Storage</b>	≤ -20 °C for 1 year or 4 °C for 3 months

**Abbreviations:**

ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immuno-histochemistry; IF: immunofluorescence. WB: western blot;

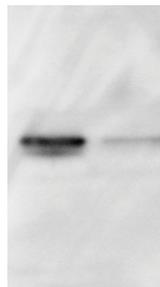
**Preparation**

Polyclonal antibody is produced by immunizing rabbit with full length human CRP and purified using protein A resin.

**Application**

**Western blot**

55 KD -  
40 KD -  
33 KD -  
24 KD -  
17 KD -



**Western blot conditions**

Lanes: native human CRP protein at 10 ng (left lane) and 1ng (right lane) per lane.  
pAb concentration: 1 µg/ml  
Blocking and antibody dilution buffer is 5% skim milk (w/v), 1x TBS, 0.05% Tween-20.

**Storage**

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

**Hazard/Biohazard**

This antibody contains 0.09% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

**Background**

C-Reactive Protein (CRP) is an annular, pentameric protein found in blood plasma. CRP belongs to the β-globulin family of plasma proteins and its name is derived from the ability to precipitate a group C polysaccharide of pneumococcus in the presence of Ca<sup>2+</sup>. Serum levels of CRP are elevated in a wide variety of acute and chronic inflammatory conditions. These conditions include most bacterial and some viral infections, rheumatic fever, rheumatoid arthritis, and many collagen diseases. CRP serum levels are also valuable in detection and evaluation of tissue injury, acute myocardial infarction, transplant rejection, and several malignant disorders.

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