

Polyclonal Anti-C reactive protein, *CRP***Catalogue No.** PA1028**Lot No.** 03A01**Ig type:** rabbit IgG**Size:** 100µg/vial**Specificity**

Human, mouse, rat, rabbit.
No cross reactivity with other proteins.

Recommended application*Western blot**Immunohistochemistry(P)***Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminal of human CRP, identical to the related rat and mouse sequence.

Purity

Immunogen affinity purified.

Application*Western blot*

At 1-2µg/ml with the appropriate system to detect CRP in cells and tissues.

Immunohistochemistry(P)

At 1-2µg/ml to detect CRP in formalin fixed and paraffin embedded tissues.

*Other applications have not been tested.**Optimal dilutions should be determined by end user.***Contents**

Each vial contains 50% glycerol, 0.9mg NaCl, 0.2mg Na₂HPO₄.

Reconstitution

1.2% sodium acetate or neutral PBS. If 0.5ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

Relative detection systems

Boster provides a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit EK1002 in WB, supported by SA1022 in IH(P).

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BACKGROUND

C Reactive Protein (CRP) is a major acute phase reactant synthesized primarily in the liver hepatocytes. It is composed of 5 identical, 21,500-molecular weight subunits. CRP mediates activities associated with preimmune nonspecific host resistance. CRP shows the strongest association with cardiovascular events. It is detectable on the surface of about 4% of normal peripheral blood lymphocytes. Acute phase reactant CRP is produced in the liver.

REFERENCE

1. Kilpatrick, J. M.; Volanakis, J. E. : Molecular genetics, structure, and function of C-reactive protein. *Immun. Res.* 10: 43-53, 1991.
2. Kuta, A. E.; Baum, L. L. : C-reactive protein is produced by a small number of normal human peripheral blood lymphocytes. *J. Exp. Med.* 164: 321-326, 1986.
3. Oliveira, E. B.; Gotshlich, E. C.; Liu, T. : Primary structure of human C-reactive protein. *J. Biol. Chem.* 254: 489-502, 1979.

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