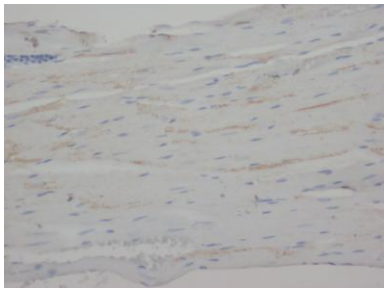
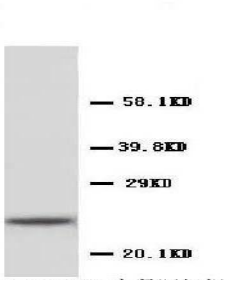
Product Information Sheet

Polyclonal Anti-C reactive protein, ***CRP***





Catalogue No. PA1028

Lot No. 03A01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

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 Na_2HPO_4.

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.

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.