

Anti-CRP Antibody
Catalog # ABO10521**Specification**

Anti-CRP Antibody - Product Information

Application	WB
Primary Accession	P02741
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for C-reactive protein(CRP) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CRP Antibody - Additional Information

Gene ID 1401

Other Names

C-reactive protein, C-reactive protein(1-205), CRP, PTX1

Calculated MW

25039 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Secreted.

Tissue Specificity

Found in plasma.

Protein Name

C-reactive protein

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human C Reactive Protein(209-224aa KYEVQGEVFTKPQLWP).

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

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 a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the pentaxin family.

Anti-CRP Antibody - Protein Information

Name CRP

Synonyms PTX1

Function

Displays several functions associated with host defense: it promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. Can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells.

Cellular Location

Secreted.

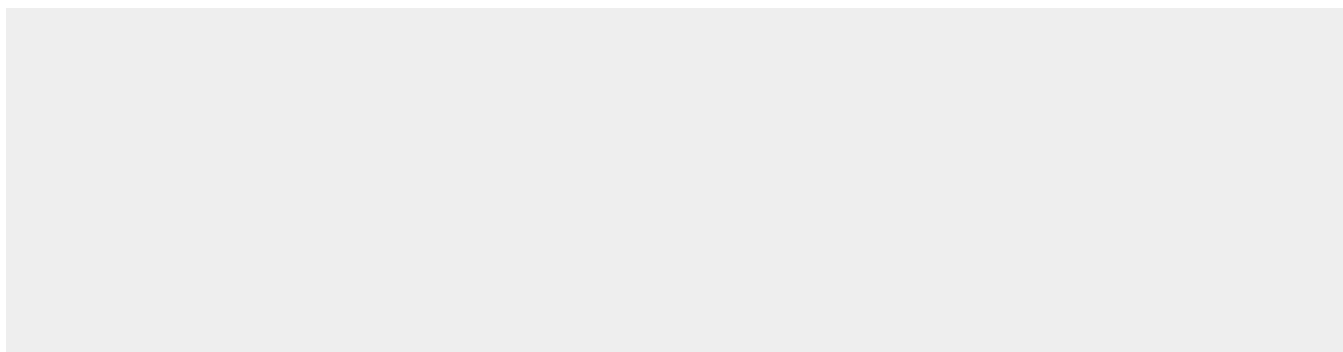
Tissue Location

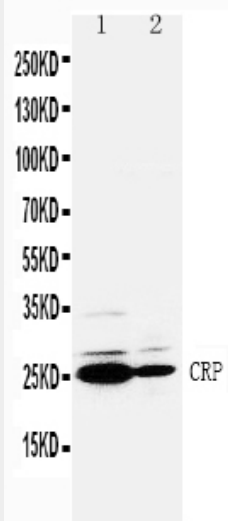
Found in plasma.

Anti-CRP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CRP Antibody - Images



Anti-C Reactive Protein antibody, ABO10521, Western blotting
Lane 1: SMMC Cell Lysate
Lane 2: HT1080 Cell Lysate

Anti-CRP Antibody - 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.