

C-Reactive Protein (CRP) Rabbit pAb

Catalog No.: A0224 **1 Publications**

Basic Information

Observed MW

25kDa

Calculated MW

23kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

The protein encoded by this gene belongs to the pentraxin family which also includes serum amyloid P component protein and pentraxin 3. Pentraxins are involved in complement activation and amplification via communication with complement initiation pattern recognition molecules, but also complement regulation via recruitment of complement regulators. The encoded protein has a calcium dependent ligand binding domain with a distinctive flattened beta-jellyroll structure. It exists in two forms as either a pentamer in circulation or as a nonsoluble monomer in tissues. It is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host and to initiate their elimination by interacting with humoral and cellular effector systems in the blood. Consequently, the level of this protein in plasma increases greatly during acute phase response to tissue injury, infection, or other inflammatory stimuli. Elevated expression of the encoded protein is associated with severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection.

Recommended Dilutions

WB 1:500 - 1:2000**IF/ICC** 1:50 - 1:200

Immunogen Information

Gene ID

1401

Swiss Prot

P02741

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 100-200 of human C-Reactive Protein (CRP) (NP_000558.2).

Synonyms

PTX1; C-Reactive Protein (CRP)

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

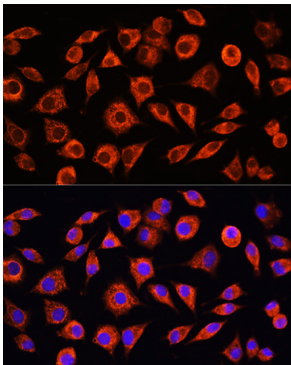
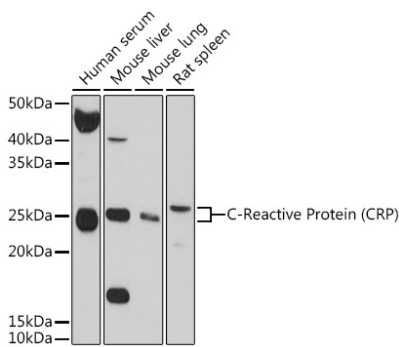
Affinity purification

Storage

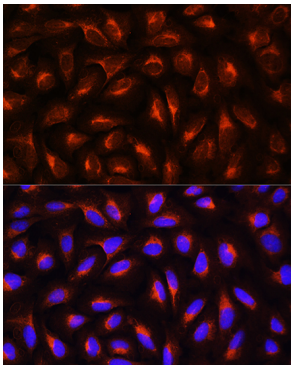
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Immunofluorescence analysis of L929 cells using C-Reactive Protein (C-Reactive Protein (CRP)) Rabbit pAb (A0224) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using C-Reactive Protein (C-Reactive Protein (CRP)) Rabbit pAb (A0224) at dilution of 1:100. Blue: DAPI for nuclear staining.