CRP

Rabbit Anti-Human C-Reactive Protein/CRP Clone Poly6208 Affinity Purified pAb

Catalog No.	CSI12296 CSI12297	**Quantity:**	50 µl 200 µl

Alternate Names: C-reactive protein, pentraxin-related

Description: CRP (C-reactive protein) is a member of the pentaxin family. CRP exists as a homopentamer in a discoid arrangement (noncovalently attached). Individual subunits are approximately 24 kD, the molecular weight of the entire molecule is approximately 120 kD CRP is secreted and can be found in plasma. This protein promotes agglutination, phagocytosis, and complement fixation through Ca^{2+}-dependent binding to phosphorylcholine. CRP is thought to scavenge nuclear material released from damaged circulating cells. CRP is the major protein involved in acute phase response to pathogens; both CRP and degradation products of CRP act as anti-inflammatory agents. CRP has been shown to interact with both DNA and histones. The Poly6208 antibody recognizes human CRP and has been shown to be useful for Western blotting.

Concentration: 0.5 mg/ml

Gene ID: 4751

Structure: Member of the pentaxin family. Exists as a homopentamer in a discoid arrangement (noncovalently attached). Individual subunits are approximately 24 kD, the molecular weight of the entire molecule is approximately 120 kD.

Distribution: Secreted, found in plasma.

Host: Rabbit

Immunogen: Recombinant (partial)

Isotype: Rabbit IgG

Clone: Poly6208

Bioactivity: Transformed cell cytotoxicity; mediator of inflammatory and immune functions; fibroblast synthesis of GM-CSF, G-CSF, IL-1, collagenase, prostaglandin E2; monocyte terminal differentiation, synthesis of G-CSF; neutrophil chemoattractant.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Purification: The antibody was purified by antigen-affinity chromatography.

Function: Promotes agglutination, phagocytosis, and complement fixation through Ca2+-dependent binding to phosphorylcholine. Thought to scavenge nuclear material released from damaged circulating cells.

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Reactivity: Human

Applications: Western Blot

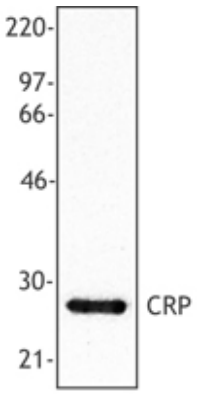
Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Storage & Stability: Upon receipt, store frozen at -20° C.

Regulation: Can be degraded. Both CRP and degradation products act as anti-inflammatory agents.

Interaction: Interacts with DNA and histones.

Recombinant human C-reactive protein (20 ng per lane) was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit polyclonal antibody against CRP. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system



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