Rabbit anti CRP(IN) Polyclonal Antibody
Alternate Names: C-Reactive Protein (CRP); Crp.

ANTIGEN PREPARATION
A synthetic peptide corresponding to the N-terminus of human CRP protein (from 32aa-41aa). This sequence is identical to human and mouse.

BACKGROUND
C-Reactive Protein (CRP) belongs to the pentaxin family. It was discovered in serum of patients as a non-antibody precipitin of C-plysaccharide from pneumococci. 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. Serum CRP values are routinely measured to detect or monitor many human diseases and minor elevations of C-reactive protein are predictive of cardiovascular events in patients with coronary heart disease.

PURIFICATION
The Rabbit IgG is purified by Epitope Affinity Purification.

SPECIFICITY
This antibody recognizes ~25 kDa of human CRP protein. It cross-reacts to human, mouse origins.

APPLICATIONS/SUGGESTED WORKING DILUTIONS

<table>
<thead>
<tr>
<th>Method</th>
<th>Dilution</th>
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</thead>
<tbody>
<tr>
<td>Western Blot</td>
<td>0.1-1 µg/ml</td>
</tr>
<tr>
<td>ELISA</td>
<td>0.01-0.1 µg/ml</td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td>Not tested</td>
</tr>
<tr>
<td>IHC</td>
<td>1-2 µg/ml</td>
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<tr>
<td>Flow cytometry</td>
<td>Not tested</td>
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</tbody>
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MOLECULAR WEIGHT: ~25 kDa
POSITIVE CONTROL: CRP full length recombinant protein
CELLULAR LOCATION: Cytoplasmic

Optimal dilutions should be determined by researchers for the specific applications.

REFERENCES

FOR RESEARCH USE ONLY.

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