



Rabbit polyclonal antibody to human C-reactive protein (209-224): Affinity purified

Catalogue No.:	R-1047-100
Description:	C-reactive protein has several roles associated with host defence such as; promoting agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. It can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells. COFACTOR: Binds 2 calcium ions per subunit. C-reactive protein exists as a homopentamer. There are 2 alternatively spliced isoforms. C-reactive protein is found in plasma and its concentration increases greatly during acute phase response to tissue injury, infection or other inflammatory stimuli. It is induced by IL-1 and IL-6.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide corresponding to a region (209-224 aa) from human C-reactive protein. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
Other Names:	CRP; PTX1;
Accession:	P02741 CRP_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Western Blotting (WB). A concentration of 1.0 ug/mL is recommended for WB. Human C-reactive protein (isoform 1) has a predicted length of 224 residues and MW of 25 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB against the antigen.
Cross-reactivity:	Human;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase

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