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## CRP Rabbit pAb

Catalog Number: bs-0155R

Target Protein: CRP

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse (predicted:Rat, Rabbit, Pig, Dog)

Predicted MW: 25 kDa

Subcellular: Secreted

Locations:

Entrez Gene: 1401

Swiss Prot: P02741

Source: KLH conjugated synthetic peptide derived from human CRP: 125-224/224.

Purification: affinity purified by Protein A

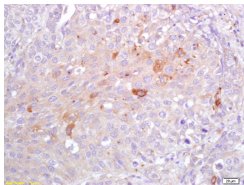
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

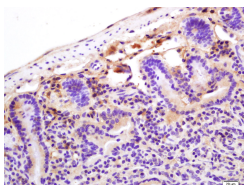
**Background:** Pentraxins are plasma proteins characterized by their pentameric discoid assembly and their Ca<sup>2+</sup> dependent ligand binding, such as Serum amyloid P component (SAP) and C-reactive Protein (CRP), which are cytokine-inducible acute-phase proteins implicated in innate immunity. CRP binds to ligands containing phosphocholine, SAP binds to amyloid fibrils, DNA, chromatin, fibronectin, C4-binding proteins and glycosaminoglycans. "Long" pentraxins have N-terminal extensions to the common pentraxin domain; one group, the neuronal pentraxins, may be involved in synapse formation and remodeling, and they may also be able to form heteromultimers.

### VALIDATION IMAGES

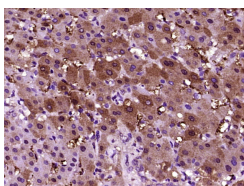
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Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CRP Polyclonal Antibody, Unconjugated(bs-0155R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CRP Polyclonal Antibody, Unconjugated(bs-0155R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Human liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CRP) Polyclonal Antibody, Unconjugated (bs-0155R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=8.355] Liu X et al. Polydopamine-based molecular imprinted optic microfiber sensor enhanced by template-mediated molecular rearrangement for ultra-sensitive C-reactive protein detection. Chemical Engineering Journal. 2020, May 387: 124074. Other ; . doi:10.1016/j.cej.2020.124074

[IF=6.8] Ye Jiazhou. et al. Single cell-spatial transcriptomics and bulk multi-omics analysis of heterogeneity and ecosystems in hepatocellular carcinoma. NPJ PRECIS ONCOL. 2024 Nov;8(1):1-18 IHC ; Human . 39548284

[IF=7.3] Yu Fu. et al. C-reactive protein deficiency ameliorates experimental abdominal aortic aneurysms. FRONT IMMUNOL. 2023; 14: 1233807 IHC ; Mouse . 37753091

[IF=5.151] Zhang L et al. The Protective Activities of Dietary Sea Cucumber Cerebrosides against Atherosclerosis through Regulating Inflammation and Cholesterol Metabolism in Male Mice.Mol Nutr Food Res. 2018 Aug;62(16):e1800315. WB ; Mouse . 29883529

[IF=4.916] Rong Z et al. A C-reactive protein immunosensor based on platinum nanowire/titania nanotube composite sensitized electrochemiluminescence. Talanta, 2019.205, 120135. Other ; Human . doi:10.1016/j.talanta.2019.120135