

## Rabbit Anti-CRP antibody

SL0155R

**Product Name** CRP

**Chinese Name** C-反应蛋白抗体

**Alias** C-reactive protein; C Reactive Protein; C reactive protein pentraxin related; CRP; MGC88244; PTX 1; PTX1. C 反应蛋白

**Research Area** Cardiovascular immunology Signal transduction Apoptosis Growth factors and hormones

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Human, Mouse, (predicted: Rat, Dog, Pig, Rabbit, )  
IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)

**Applications** not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 25kDa

**Cellular localization** Secretory protein

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human CRP: 125-224/224

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

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

**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed** [PubMed](#)

**Product** Pentraxins are plasma proteins characterized by their pentameric discoid assembly and

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**Detail**

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.

**Function:**

Displays several functions associated with host defense: it promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. Can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells.

**Subunit:**

Homopentamer. Pentaxin (or pentraxin) have a discoid arrangement of 5 non-covalently bound subunits.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Found in plasma.

**Similarity:**

Belongs to the pentaxin family.  
Contains 1 pentaxin domain.

**SWISS:**

P02741

**Gene ID:**

1401

**Database links:**

[Entrez Gene: 1401](#) Human

[Omim: 123260](#) Human

[SwissProt: P02741](#) Human

[Unigene: 76452](#) Human

C 反应蛋白 CRP (C-reactive protin) 是与 C 性肺炎球菌的多糖起反应的一种蛋白, 在某些细菌的感染过程中出现在血浆中。

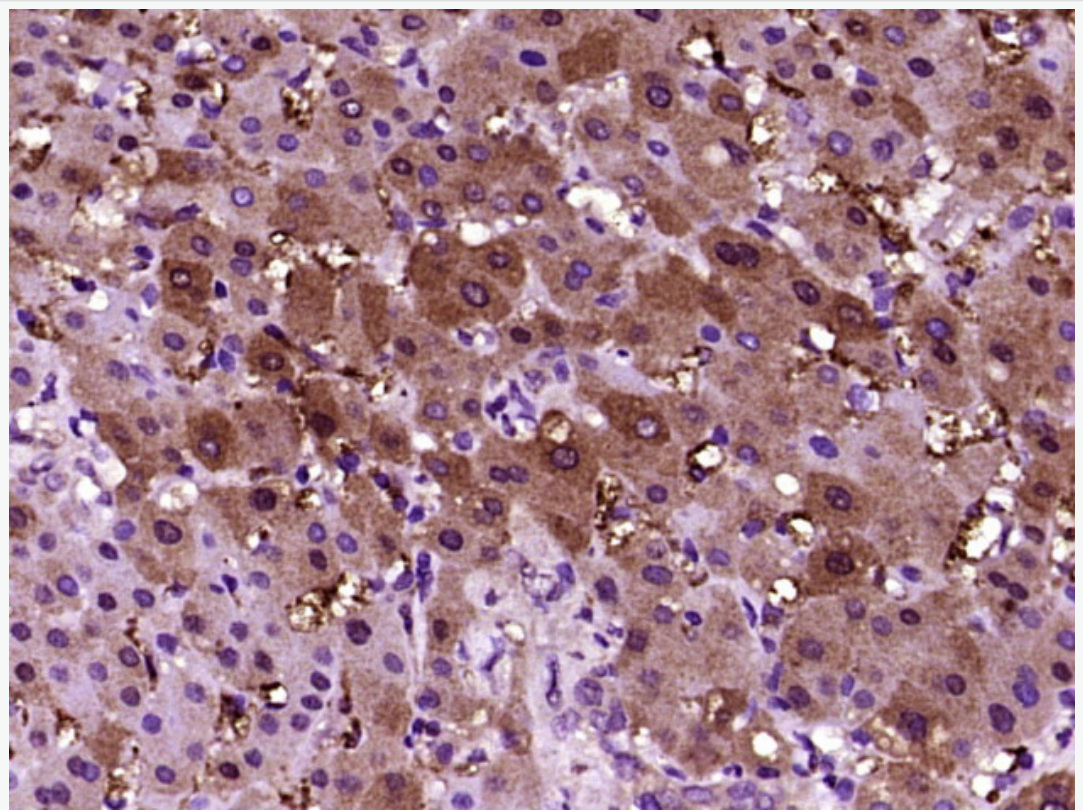
CRP 是在一些病理性情况下出现于病人血清中的一种 glycoprotein, 特别是在伴有肯炎症和组织坏死疾病的急性期。血清中出现的这种异常蛋白能和肺炎 C-多糖体发生沉淀反应, 当疾病好转或缓解时, CRP 减低或消失。

临床意义:

(1)各种急性化脓性炎症、菌血症、组织坏死(心肌梗塞、手术、严重创伤、烧伤等)、恶性 Tumour、结缔组织病、肾移植后急性排异反应、急性风湿热、风湿性关节炎、类风湿性关节炎、心肌炎急性期、肺炎、肺结核、系统性红斑狼疮、急性肝炎和阑尾炎等, 血清中 CRP 含量可增高, 它的出现比其它急性期的反应物质早, 所以对疾病的早期诊断很有帮助。

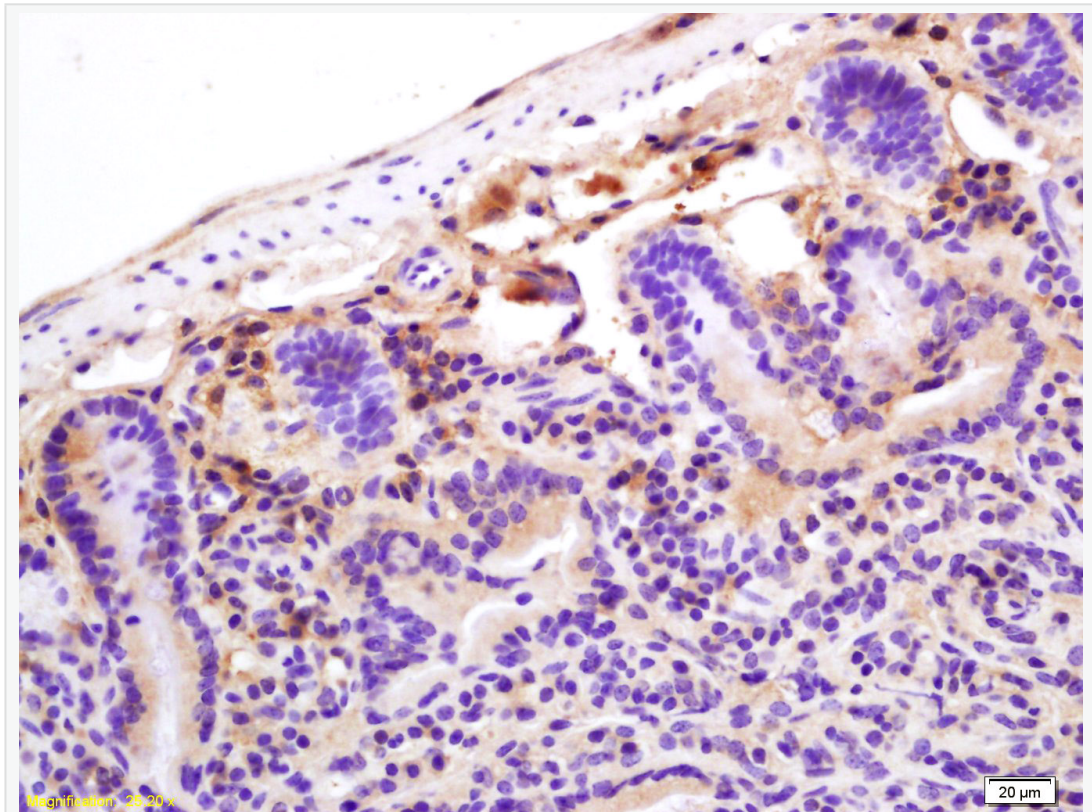
CRP 可以鉴别细菌炎症或者是病毒性炎症。细菌性炎症 CRP 可以明显增高, 而病毒性炎症 CRP 的血清含量一般都在正常范围。

**Product  
Picture**



Paraformaldehyde-fixed, paraffin embedded (Human liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase

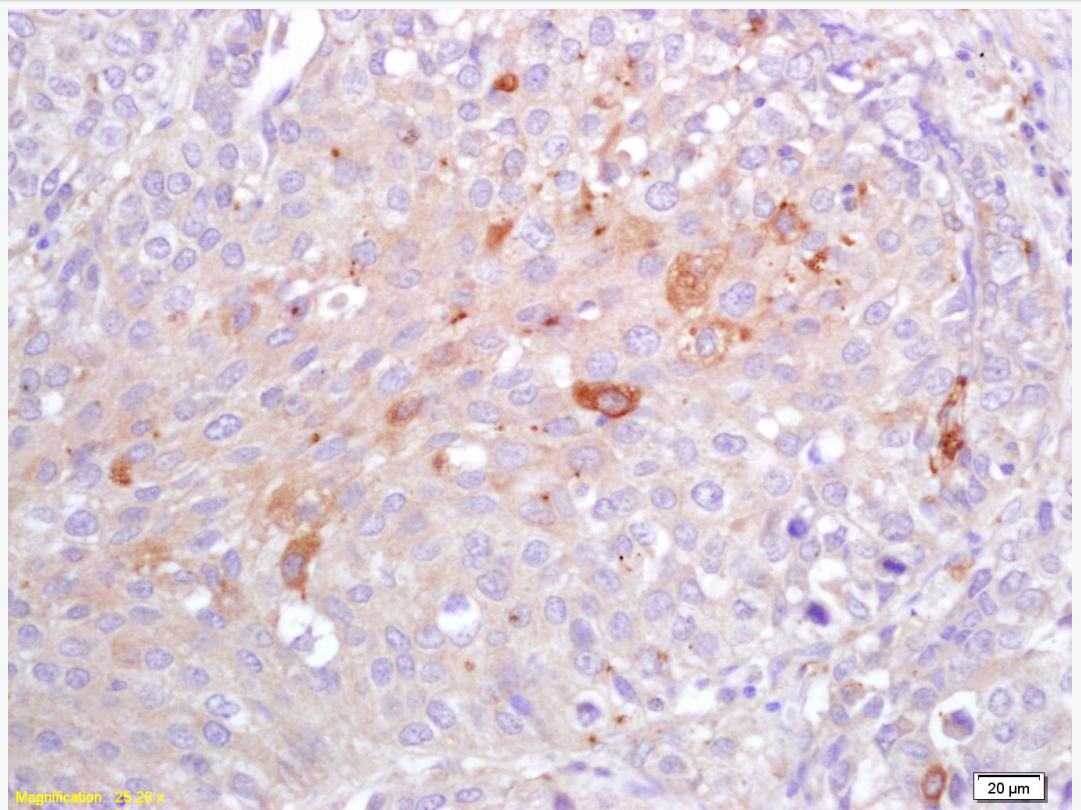
by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CRP) Polyclonal Antibody, Unconjugated (SL0155R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 1M, 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(SL0155R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 1M, 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(SL0155R) 1:200,



SunLong Biotech Co.,LTD  
Tel: 0086-571-56623320 Fax:0086-571-56623318  
E-mail:sales@sunlongbiotech.com  
www.sunlongbiotech.com

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overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining