

# Anti-CRP antibody

<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

## Product overview

<b>Description</b>	Anti-CRP rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human CRP
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.8 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

## Target information

<b>Symbol</b>	CRP
<b>Full name</b>	C-reactive protein
<b>Synonyms</b>	PTX1
<b>Swissprot</b>	P02741

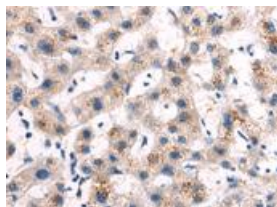
## Target Background

The protein encoded by this gene belongs to the pentraxin family which also includes serum amyloid P component protein and pentraxin 3. Pentraxins are involved in complement activation and amplification via communication with complement initiation pattern recognition molecules, but also complement regulation via recruitment of complement regulators. The encoded protein has a calcium dependent ligand binding domain with a distinctive flattened beta-jellyroll structure. It exists in two forms as either a pentamer in circulation or as a nonsoluble monomer in tissues. 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. Elevated expression of the encoded protein is associated with severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection.

## Applications

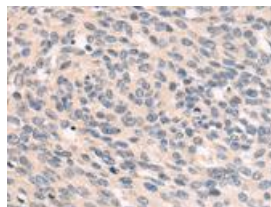
### Immunohistochemistry

Predicted cell location: Cytoplasm  
Positive control: Human liver cancer  
Recommended dilution: 50-200



The image is immunohistochemistry of paraffin-embedded Human liver cancer tissue using D220482(CRP Antibody) at dilution 1/55. (Original magnification:  $\times 200$ )

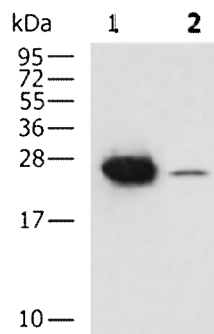
Predicted cell location: Cytoplasm  
Positive control: Human cervical cancer  
Recommended dilution: 50-200



The image is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using D220482(CRP Antibody) at dilution 1/55. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 25 kDa  
Positive control: Mouse liver tissue, HL60 cell lysates  
Recommended dilution: 500-2000



Gel: 12%SDS-PAGE

Lysate: 40  $\mu$ g

Lane 1-2: Mouse liver tissue, HL60 cell lysates

Primary antibody: D220482(CRP Antibody) at dilution 1/400

Secondary antibody: D110058(HRP-conjugated

Goat anti rabbit IgG) at 1/5000 dilution

Exposure time: 15 seconds

### ELISA

Recommended dilution: 5000-10000