

**CRP Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO1685a****Specification****CRP Antibody - Product Information**

Application	<b>E, WB, FC, IHC</b>
Primary Accession	<a href="#">P02741</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>25kDa KDa</b>

**Description**

The protein encoded by this gene belongs to the pentaxin family. 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.

**Immunogen**

Purified recombinant fragment of human CRP expressed in E. Coli. <br />

**Formulation**

Ascitic fluid containing 0.03% sodium azide. <br />

**CRP Antibody - Additional Information**

**Gene ID** 1401

**Other Names**

C-reactive protein, C-reactive protein(1-205), CRP, PTX1

**Dilution**

E~~1/10000

WB~~1/500 - 1/2000

FC~~1/200 - 1/400

IHC~~1/200 - 1/1000

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CRP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CRP Antibody - Protein Information**

**Name** CRP

**Synonyms** PTX1

**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.

**Cellular Location**

Secreted.

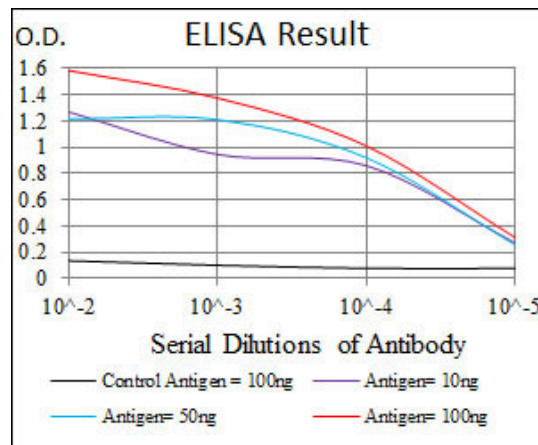
**Tissue Location**

Found in plasma.

**CRP Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



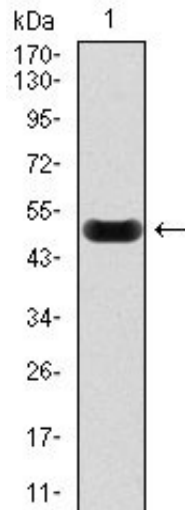


Figure 1: Western blot analysis using CRP mAb against human CRP recombinant protein. ( AA: 1-224, Expected MW is 51 kDa)

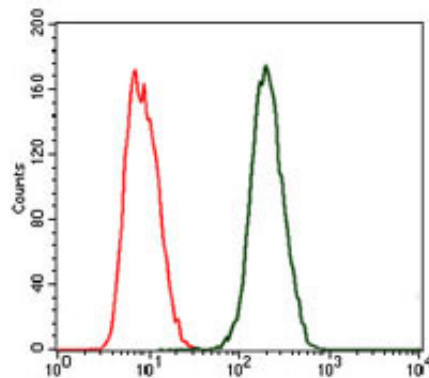


Figure 2: Flow cytometric analysis of MCF-7 cells using CRP mouse mAb (green) and negative control (red).

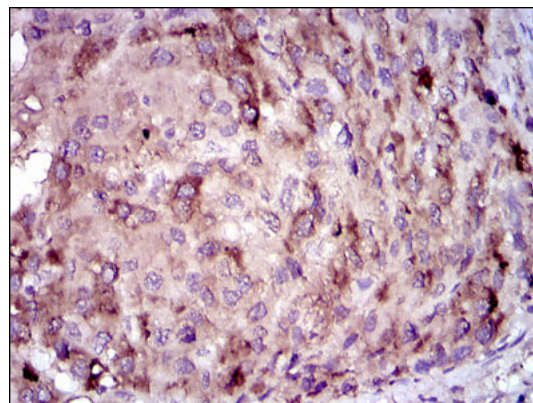


Figure 3: Immunohistochemical analysis of paraffin-embedded liver cancer tissues using CRP mouse mAb with DAB staining.

**CRP Antibody - References**

1. Clin Cardiol. 2010 Nov;33(11):708-14. 2. Mol Cell Biochem. 2011 Jan;347(1-2):183-9.