

For Research Use Only

CRP Polyclonal antibody

Catalog Number: 24175-1-AP **4 Publications**



Basic Information

Catalog Number: 24175-1-AP	GenBank Accession Number: BC125135	Purification Method: Antigen Affinity purified
Size: 300 µg/ml	GeneID (NCBI): 1401	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: C-reactive protein, pentraxin-related	
Isotype: IgG	Calculated MW: 224 aa, 25 kDa	
Immunogen Catalog Number: AG21466	Observed MW: 25 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : serum from mouse injected with bacteria, IHC : human liver tissue,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

C-reactive protein (CRP) is an acute-phase serum protein synthesized by the liver in response to interleukin-6 (IL-6) during inflammation. The name of CRP derives from its ability to react with the C polysaccharide of *Streptococcus pneumoniae*. CRP is an annular, pentameric protein that belongs to the pentraxin family of proteins. CRP displays several functions associated with host defense: it promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. It is used mainly as a marker of inflammation.

Notable Publications

Author	Pubmed ID	Journal	Application
Shizhen Qin	27575953	J Proteome Res	WB
Lingguang Kong	33254150	Biomed Mater	WB
Yong Zhou	31618575	J Proteome Res	WB

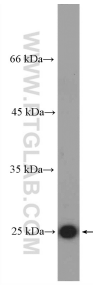
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

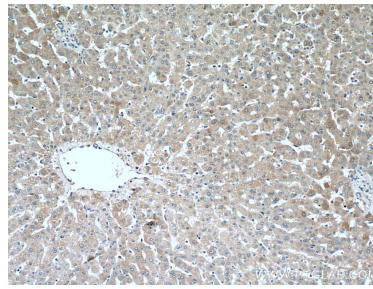
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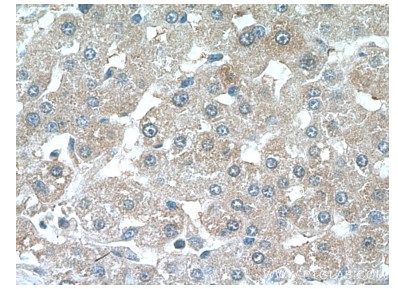
Selected Validation Data



Serum from mouse injected with bacteria were subjected to SDS PAGE followed by western blot with 24175-1-AP (CRP Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 24175-1-AP (CRP Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 24175-1-AP (CRP Antibody) at dilution of 1:200 (under 40x lens).