

For Research Use Only

C-Reactive Protein/CRP Recombinant monoclonal antibody, PBS Only

Catalog Number: 86912-6-PBS



Basic Information

Catalog Number: 86912-6-PBS	GenBank Accession Number: BC125135	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1401	CloneNo.: 251971G6
Source: Rabbit	UNIPROT ID: P02741	
Isotype: IgG	Full Name: C-reactive protein, pentraxin-related	
Immunogen Catalog Number: EG2448	Calculated MW: 224 aa, 25 kDa	
	Observed MW: 25-28 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, rat

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.

Storage

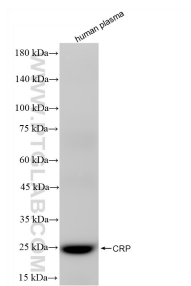
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

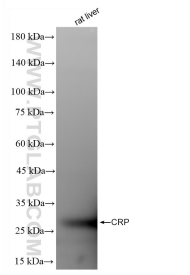
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

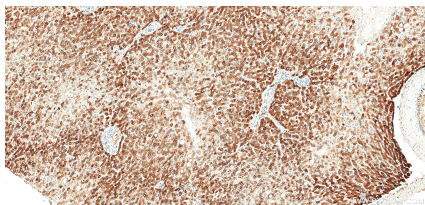
Selected Validation Data



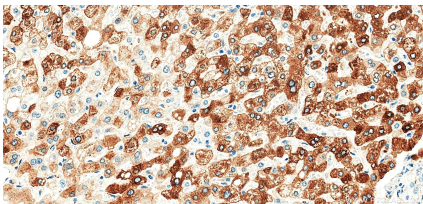
Various lysates were subjected to SDS PAGE followed by western blot with 86912-6-RR (CRP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86912-6-PBS in a different storage buffer formulation.



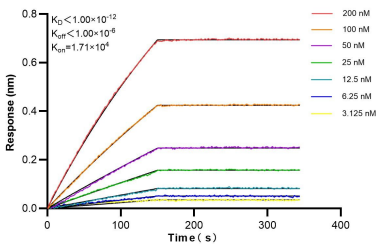
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Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 86912-6-RR (C-Reactive Protein/CRP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86912-6-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 86912-6-RR (C-Reactive Protein/CRP antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86912-6-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86912-6-RR against Mouse C-Reactive Protein/CRP were performed. The affinity constant is below 1 pM.