

For Research Use Only

C-Reactive Protein/CRP Recombinant monoclonal antibody

Catalog Number: 86912-6-RR



Basic Information

Catalog Number: 86912-6-RR	GenBank Accession Number: BC125135	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1401	CloneNo.: 251971G6
Source: Rabbit	UNIPROT ID: P02741	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:500-1:2000
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, ELISA	Positive Controls:
Species Specificity: human, rat	WB : human plasma, rat liver tissue
	IHC : human liver tissue,

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.

Storage

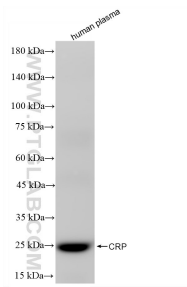
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

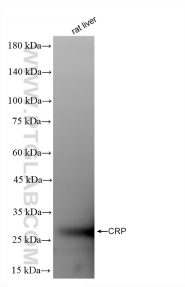
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

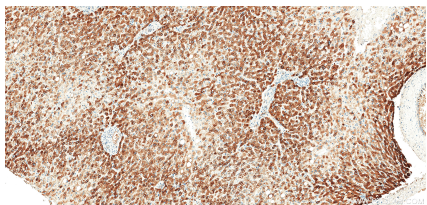
Selected Validation Data



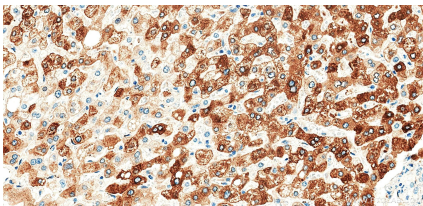
Various lysates were subjected to SDS PAGE followed by western blot with 86912-6-RR (CRP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



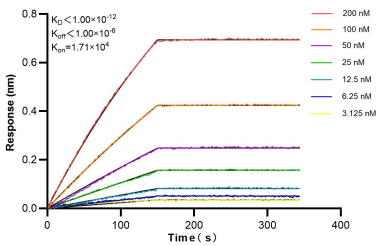
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Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 86912-6-RR (C-Reactive Protein/CRP antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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