

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
Source: Rabbit	GeneID (NCBI): 1401	CloneNo.: 251971G6
Isotype: IgG	UNIPROT ID: P02741	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:500-1:2000
Immunogen Catalog Number: EG2448	Full Name: C-reactive protein, pentraxin-related	
	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
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human liver tissue,

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

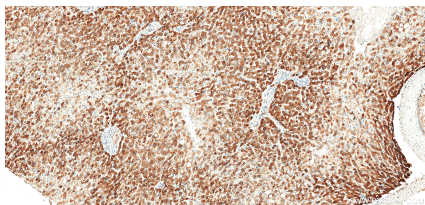
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

Selected Validation Data

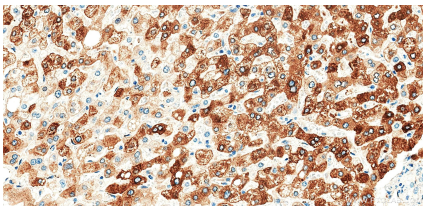


Various lysates were subjected to SDS PAGE followed by western blot with 86912-6-RR (CRP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

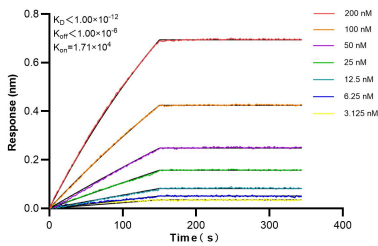
Various lysates were subjected to SDS PAGE followed by western blot with 86912-6-RR (CRP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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.