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Anti-C-Reactive Protein Antibody

Catalog # AP51986

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P02741
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25039

Additional Information

Gene ID	1401
Other Names	PTX1; C-reactive protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human C-Reactive Protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

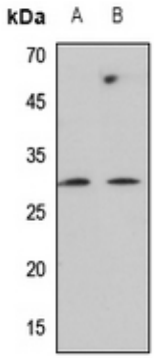
Protein Information

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.

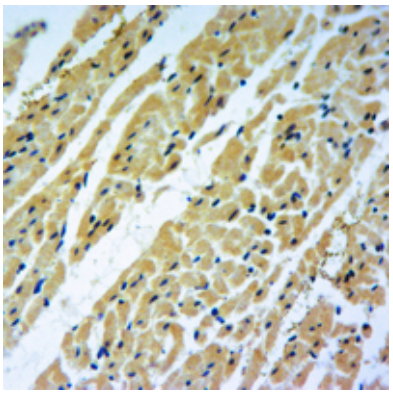
References

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Woo P.,et al.J. Biol. Chem. 260:13384-13388(1985).
Murphy T.M.,et al.Submitted (NOV-1990) to the EMBL/GenBank/DDBJ databases.
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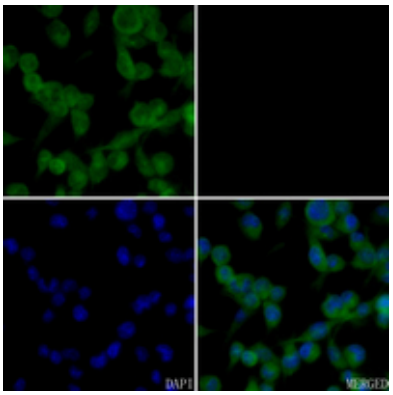
Images



Western blot analysis of C-Reactive Protein expression in mouse brain (A), rat brain (B) whole cell lysates.
(Predicted band size: 25 kD; Observed band size: 30 kD)



Immunohistochemical analysis of C-Reactive Protein staining in rat heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of C-Reactive Protein staining in BV2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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