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CRP Antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AM2041b

Product Information

Application	WB, E
Primary Accession	P02741
Other Accession	NP_000558.2
Reactivity	Human
Predicted	Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG3
Clone Names	506CT15.5.3
Calculated MW	25039
Antigen Region	8-35

Additional Information

Gene ID	1401
Other Names	C-reactive protein, C-reactive protein(1-205), CRP, PTX1
Target/Specificity	This CRP antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 8-35 amino acids from human CRP.
Dilution	WB~~1:500~1000 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CRP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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.

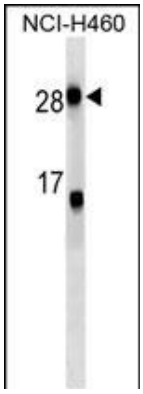
Background

The protein encoded by this gene belongs to the pentaxin family. It is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host and to initiate their elimination by interacting with humoral and cellular effector systems in the blood. Consequently, the level of this protein in plasma increases greatly during acute phase response to tissue injury, infection, or other inflammatory stimuli.

References

Brindle, E., et al. J. Immunol. Methods 362 (1-2), 112-120 (2010) :
Lim, L.S., et al. Invest. Ophthalmol. Vis. Sci. 51(9):4458-4463(2010)
Marott, S.C., et al. J. Am. Coll. Cardiol. 56(10):789-795(2010)
Szczesny, G., et al. Arch Orthop Trauma Surg (2010) In press :
Kuhlenbaeumer, G., et al. Cerebrovasc. Dis. 30(5):476-482(2010)

Images



CRP Antibody (Cat. #AM2041b) western blot analysis in NCI-H460 cell line lysates (35µg/lane).This demonstrates the CRP antibody detected the CRP protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.