



Anti-C Reactive Protein polyclonal antibody (CPBT-65025SH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Sheep anti Human C-Reactive Protein antibody detects human C-reactive protein (CRP), a calcium-binding plasma protein which is significantly up-regulated during the acute phase response. CRP has been shown to bind phosphocholine residues, apoptotic cells and constituents of micro-organisms, and can lead to activation of leukocytes and the complement system, and the clearance of apoptotic cells. CRP is produced in the liver in response to interleukin-1 (IL-1) and IL-6 secretion, and has a monomer molar mass of 25kDa, and native cyclic pentamer mass of 125kDa.

Specificity	CRP
Target	C Reactive Protein
Immunogen	Native, from serum
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC-Fr; ELISA
Format	Purified IgG - liquid
Size	1 ml
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid

repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CRP C-reactive protein, pentraxin-related [Homo sapiens (human)]
Official Symbol	CRP
Synonyms	CRP; C-reactive protein, pentraxin-related; PTX1; C-reactive protein; pentraxin 1;
Entrez Gene ID	1401
Protein Refseq	NP_000558
UniProt ID	P02741
Chromosome Location	1q23.2
Pathway	Classical antibody-mediated complement activation; Complement cascade; Creation of C4 and C2 activators; IL6-mediated signaling events; Immune System; Initial triggering of complement; Innate Immune System; Selenium Pathway;
Function	calcium ion binding; cholesterol binding; choline binding; complement component C1q binding; low-density lipoprotein particle binding; low-density lipoprotein particle receptor binding; protein binding; protein homodimerization activity; NOT virion binding;