

Rabbit anti-Human C Reactive Protein Monoclonal Antibody | anti-CRP antibody

Anti-C Reactive Protein Rabbit Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46916	Rabbit	Human	Western Blot, Immunohistochemistry, Immunoprecipitation

PRODUCT SYNONYMS

C Reactive Protein; Monoclonal Antibody; Anti-C Reactive Protein Rabbit Monoclonal Antibody; C-reactive protein; C-reactive protein(1-205); CRP; PTX1; anti-CRP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	91
Applicable Applications for anti-CRP antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation)
Immunogen	A synthesized peptide derived from human C Reactive Protein
Subcellular Localization	Secreted.
Tissue Specificity	Found in plasma.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human liver, using C Reactive Protein Antibody(AAA46916)CRP was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-CRP Antibody (AAA46916)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Western blot analysis of CRP expression in Etoposide treated 293 whole cell lysates (AAA46916).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CRP monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CRP

ADDITIONAL INFORMATION

Related Product Information for anti-CRP antibody	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.
Product Categories/Family for anti-CRP antibody	Immunology; Innate Immunity; Macrophage/Inflamm.; Cardiovascular; Blood; acute phase reactants; Immunology; complement; classical Pathway; Epigenetics and Nuclear Signaling; chromatin Binding Proteins; dna/rna binding; Atherosclerosis; Vascular Inflammati

NCBI AND UNIPROT INFORMATION

NCBI GI #	55770842
NCBI GeneID	1401
NCBI Accession #	NP_000558.2
NCBI GenBank Nucleotide #	NM_000567.2
UniProt Accession #	P02741; Q08AK3; Q8WW75; A8K078; D3DVD9; D3DVE0
Molecular Weight	25039 MW
NCBI Official Full Name	C-reactive protein isoform 1
NCBI Official Synonym Full Names	C-reactive protein
NCBI Official Symbol	CRP
NCBI Official Synonym Symbols	PTX1
NCBI Protein Information	C-reactive protein
UniProt Protein Name	C-reactive protein
UniProt Gene Name	CRP
UniProt Synonym Gene Names	PTX1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.