

Anti-CRP/C Reactive Protein Antibody

Catalog Number: A00249

About CRP

Histone H2A.X (phospho S139) antibody is ideal for western blotting and ELISA. Histones play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA is wrapped around histone-groups, consisting of the core histones H2A, H2B, H3 and H4. As a reaction on DNA Double-strand breaks (DSB) H2AX becomes phosphorylated on serine 139, called gamma-H2AX. ATM, ATR and PRKDCs, kinases of the PI3-family, are responsible for this phosphorylation. The modification can happen accidentally during replication fork collapse, exogenous genotoxic agents, may also occur during meiotic recombination events and immunoglobulin class switching in lymphocytes, in the response to ionizing radiation but also during controlled physiological processes such as V(D)J recombination. Mutagenesis experiments have shown that the modification is necessary for the proper formation of ionizing radiation induced foci in response to double strand breaks, but is not required for the recruitment of proteins to the site of DSBs. Gamma-H2AX is a sensitive target for looking at DSBs in cells. Dephosphorylation of Ser-140 by PP2A is required for DNA DSB repair. The role of the phosphorylated form of the histone in DNA repair is under. Anti-H2AX pS139 is ideal for researched interested in Histones, DNA Damage and Repair, and Epigenetics.

Overview

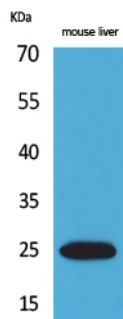
Product Name	Anti-CRP/C Reactive Protein Antibody
Reactive Species	Human, Rat
Description	Boster Bio Anti-CRP/C Reactive Protein Antibody catalog # A00249. Tested in IHC, WB applications. This antibody reacts with Human, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P02741

Technical Details

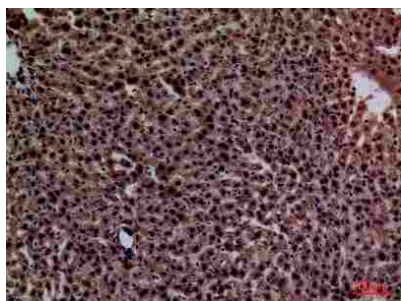
Immunogen	Synthesized peptide derived from the Internal region of human CRP.
Predicted Reactive Species	Bovine, Canine, Equine, Guinea Pig, Pig
Isotype	IgG
Form	Liquid

Concentration	1 mg/mL
Purification	Immunogen affinity purified
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB, 1:500-1:2000 IHC-P, 1:100-300

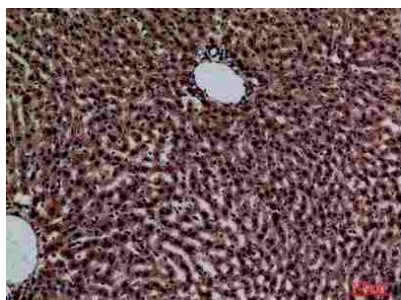
Anti-CRP/C Reactive Protein Antibody (A00249) Images



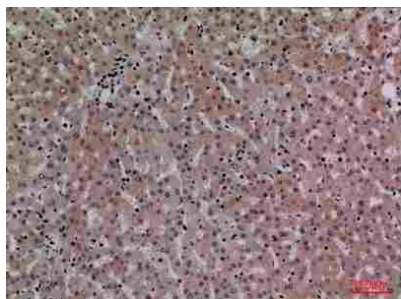
Western Blot (WB) analysis of Mouse Liver cells using CRP Polyclonal antibody.



Immunohistochemistry (IHC) analysis of paraffin-embedded Rat liver, antibody was diluted at 1:100.



Immunohistochemistry (IHC) analysis of paraffin-embedded Rat Liver, antibody was diluted at 1:100.



Immunohistochemistry (IHC) analysis of paraffin-embedded Human Liver, antibody was diluted at 1:100.

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