

Histone H2AX Rabbit Polyclonal Antibody



CAB11463

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

15kDa

Calculated MW:

15kDa

Applications:

WB IF IP

Reactivity:

Human, Mouse, Rat, Other
(Wide Range)

Antibody Information

Recommended dilutions:

WB 1:500 - 1:1000 IF 1:50 -
1:200 IP 1:50 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-independent histone that is a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif.

Immunogen information

Gene ID:

3014

Uniprot

P16104

Synonyms:

H2A.X; H2A/X; H2AX; Histone H2AX; H2AFX; histone H2AX; gamma
H2A.X; GammaH2AX

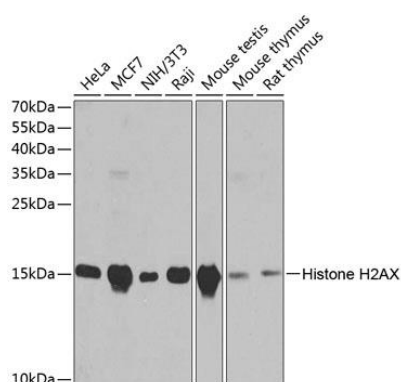
Immunogen:

A synthetic peptide corresponding to a sequence within amino
acids 50 to the C-terminus of human Histone H2AX (NP_002096.1).

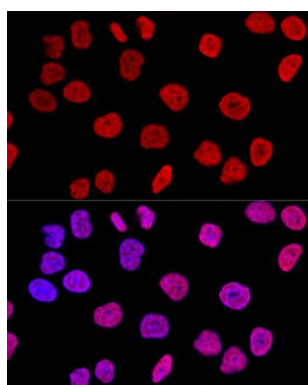
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%
sodium azide, 50% glycerol, pH7.3.

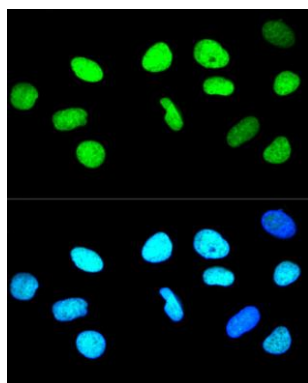
Product Images



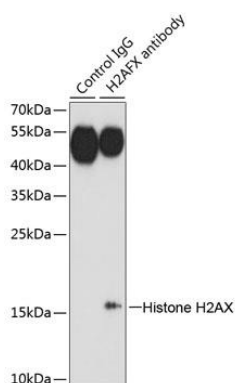
Western blot analysis of extracts of various cell lines, using Histone H2AX antibody (CAB11463) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 15s.



Confocal immunofluorescence analysis of HeLa cells using Histone H2AX Polyclonal Antibody (CAB11463) at dilution of 1:400. Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of U-2 OS cells using Histone H2AX Polyclonal Antibody (CAB11463) at dilution of 1:400. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of HeLa cells, using 3 ug Histone H2AX antibody (CAB11463). Western blot was performed from the immunoprecipitate using Histone H2AX antibody (CAB11463) at a dilution of 1:1000.