

# Histone H2AX Rabbit Polyclonal Antibody



CAB11540

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## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

15kDa

### Calculated MW:

15kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat, Other  
(Wide Range)

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:1000 IHC 1:50  
- 1:200 IF 1:50 - 1:200

### 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:

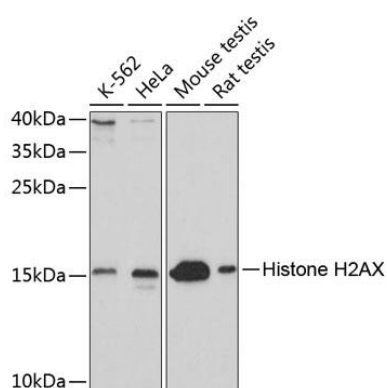
Recombinant protein of human Histone H2AX.

### Storage:

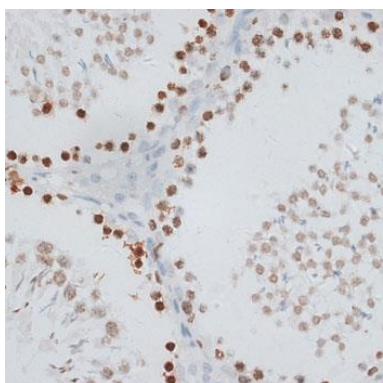
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%  
sodium azide, 50% glycerol, pH7.3.

## Product Images

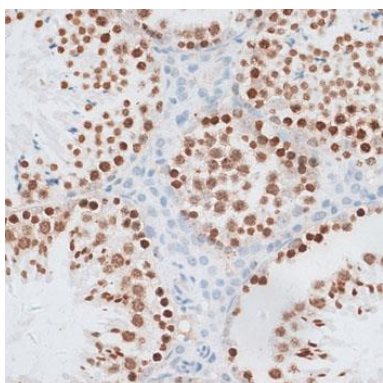
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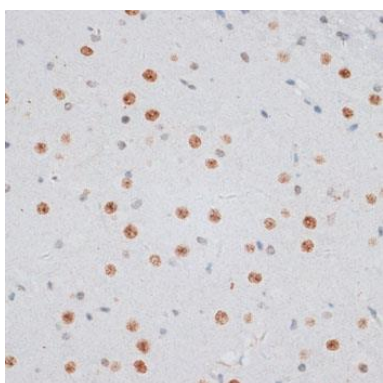
Western blot analysis of extracts of various cell lines, using Histone H2AX antibody (CAB11540) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 10s.



Immunohistochemistry of paraffin-embedded rat testis using Histone H2AX antibody (CAB11540) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using Histone H2AX antibody (CAB11540) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using Histone H2AX antibody (CAB11540) at dilution of 1:100 (40x lens).