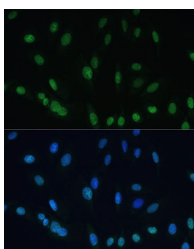


## Histone H2AX Polyclonal Antibody

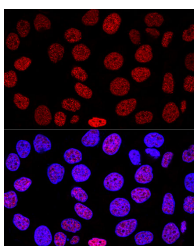
<b>Catalog No.</b>	E-AB-67407	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	IF	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Immunofluorescence analysis of U-2 OS cells using Histone H2AX Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of HeLa cells using Histone H2AX Polyclonal Antibody at dilution of 1:200. Blue: DAPI for nuclear staining.

### Immunogen Information

<b>Immunogen</b>	A synthetic peptide of human Histone H2AX.
<b>GeneID</b>	3014
<b>Swissprot</b>	P16104
<b>Synonyms</b>	H2A.X,H2A/X,H2AX,Histone H2AX,H2AFX,histone H2AX,gamma H2A.X,γH2AX

### Product Information

<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	IF 1:50-1:100

### 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.

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