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# Phospho-Histone H2AX-Ser139 Rabbit mAb

**Catalog No.: AP1293** Recombinant 1 Publications

## Basic Information

**Observed MW**
Refer to figures

**Calculated MW**
15kDa

**Category**
Primary antibody

**Applications**
ELISA,WB

**Cross-Reactivity**
Human

## 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.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:2000 |

## Immunogen Information

**Gene ID**
3014

**Swiss Prot**
P16104

**Immunogen**
A phospho synthetic peptide corresponding to residues surrounding Ser139 of Human Histone H2AX.

**Synonyms**
H2A.X; H2A/X; H2AFX; Phospho-Histone H2AX-Ser139

## Contact


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## Product Information

**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

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