

# Phospho-H2AX-S134 Rabbit pAb

Catalog No.: AP0888

## Basic Information

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### Observed MW

Refer to figures

### Calculated MW

14kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Oryza sativa

## Background

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Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Required for checkpoint-mediated arrest of cell cycle progression in response to low doses of ionizing radiation and for efficient repair of DNA double strand breaks (DSBs) specifically when modified by C-terminal phosphorylation (By similarity).

## Recommended Dilutions

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WB 1:500 - 1:2000

## Immunogen Information

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### Gene ID

4333939

### Swiss Prot

Q8LLP5

### Immunogen

A phospho specific peptide corresponding to residues surrounding S134 of Oryza sativa H2AX.

### Synonyms

Osj\_011892; Phospho-H2AX-S134

## Contact

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[www.abclonal.com](http://www.abclonal.com)

## Product Information

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### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.