

# Phospho-H2AX-S139 Rabbit pAb

Catalog No.: AP1267 **1 Publications**

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Arabidopsis thaliana

## Background

Encodes HTA5, a histone H2A protein. H2AX is a meiosis-specific isoform of histone H2A. Upon DSB formation, rapid accumulation of phosphorylated H2AX (gamma-H2AX) occurs around the break site. #H2AX foci accumulate in early G2. Immunolocalization studies in spread preparations of wild-type meiocytes at G2/early leptotene revealed the accumulation of numerous rather diffuse gamma-H2AX foci throughout the chromatin. However, their accumulation is not contemporaneous with that of AtSPO11-1. At 3 h post-S, no gamma-H2AX foci are detected. During the 3- to 5-h window when AtSPO11-1 foci rapidly disappear, there is an equally swift accumulation of gamma-H2AX to a maximum of >50 diffuse foci. The level of gammaH2AX then remains constant for a further 13 h before undergoing a gradual decrease to 10#Aei20 foci in the 18- to 24-h post-S period. By 30 h the foci have disappeared from the chromatin.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

837409

### Swiss Prot

### Immunogen

A phospho synthetic peptide corresponding to residues surrounding S139 of Arabidopsis thaliana H2AX.

### Synonyms

F7G19.24; F7G19\_24; G-H2AX; GAMMA H2AX; gamma histone variant H2AX; GAMMA-H2AX; histone H2A 5; HTA5; Phospho-H2AX-S139

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.