

PE Rabbit anti-Human Phospho-Histone H2AX-S139 mAb

Catalog No.: AP1529

Basic Information

Observed MW

Calculated MW
15kDa

Category
Primary antibody

Applications
FC (intra)

Cross-Reactivity
Human

CloneNo number
ARC70320

Conjugate
PE. Ex:565nm. Em:574nm.

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

FC (intra) 5 µl per 10⁶ cells in
100 µl volume

Immunogen Information

Gene ID 3014	Swiss Prot P16104
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Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

H2A.X; H2A/X; H2AFX

Contact

☎		400-999-6126
✉		cn.market@abclonal.com.cn
🌐		www.abclonal.com.cn

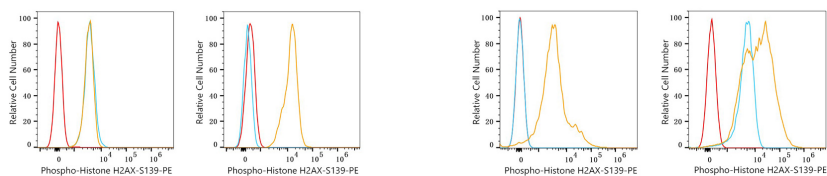
Product Information

Source Rabbit	Isotype IgG	Purification Affinity purification
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Storage

Store at 2-8°C. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1×10^6 HeLa cells (negative control, left) and HeLa cells (treated with UV for 30min, right) were intracellularly-stained with PE Rabbit anti-Human Phospho-Histone H2AX-S139 mAb (AP1529, 5 μ l/Test, orange line) or PE Rabbit IgG isotype control (A24172, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 NIH/3T3 cells (negative control, left) and NIH/3T3 cells (treated with UV for 30min, right) were intracellularly-stained with PE Rabbit anti-Human Phospho-Histone H2AX-S139 mAb (AP1529, 5 μ l/Test, orange line) or PE Rabbit IgG isotype control (A24172, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).