

Phospho-Histone H2A.X (Ser139) Rabbit mAb
Catalog # AP78648**Specification**

Phospho-Histone H2A.X (Ser139) Rabbit mAb - Product Information

| | |
|-------------------|------------------------|
| Application | WB, IHC-P, IP, ICC |
| Primary Accession | P16104 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Monoclonal Antibody |
| Calculated MW | 15145 |

Phospho-Histone H2A.X (Ser139) Rabbit mAb - Additional Information**Gene ID** 3014**Other Names**
H2AX**Format**
Liquid**Phospho-Histone H2A.X (Ser139) Rabbit mAb - Protein Information****Name** H2AX ([HGNC:4739](#))**Function**

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.

Cellular Location

Nucleus. Chromosome

Phospho-Histone H2A.X (Ser139) Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Phospho-Histone H2A.X (Ser139) Rabbit mAb - Images