

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

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

Application	WB, IHC-P, IP, ICC
Primary Accession	<a href="#">P16104</a>
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**