

Phospho-Histone H2A.X (Ser139) Rabbit mAb
Catalog # AP76855

Specification

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

Application	WB, IP
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

Dilution
WB~~1/500-1/1000
IP~~1/20

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

