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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.

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- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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