10320 Camino Santa Fe, Suite G
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Histone H2A.X (Ser139) Blocking Peptide

Synthetic peptide
Catalog # BP20702b

Specification

Histone H2A.X (Ser139) Blocking Peptide - Product Information

Primary Accession P16104

Histone H2A.X (Ser139) Blocking Peptide - Additional Information

Gene ID 3014

Other Names
Histone H2AX, H2a/x, Histone H2AX, H2AFX, H2AX

Target/Specificity
The synthetic peptide sequence is selected from aa 134-143 of HUMAN H2AFX

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Histone H2A.X (Ser139) Blocking Peptide - 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

Histone H2A.X (Ser139) Blocking Peptide - Protocols

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

- Blocking Peptides

Histone H2A.X (Ser139) Blocking Peptide - Images

Histone H2A.X (Ser139) Blocking Peptide - Background

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Histone H2A.X (Ser139) Blocking Peptide - References

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