

# Histone H2A.X (Phospho Ser139) Polyclonal Antibody

Catalog # AP63456

## Product Information

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Application	WB
Primary Accession	<a href="#">P16104</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15145

## Additional Information

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Gene ID	3014
Other Names	H2AFX; H2AX; Histone H2A.x; H2a/x
Dilution	WB~~WB: 1:1000-2000
Format	PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.
Storage Conditions	-20°C

## Protein Information

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Name	H2AX ( <a href="#">HGNC:4739</a> )
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

## Background

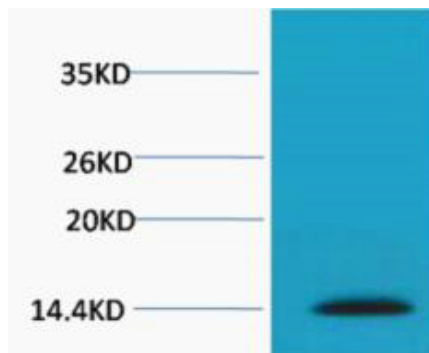
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## Images

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Western blot analysis of extracts from Hela cells, 1:2000..  
Secondary antibody was diluted at 1:20000 cells nucleus  
extracted by Minute TM Cytoplasmic and Nuclear  
Fractionation kit (SC-003, Invent biotech, MN, USA).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.