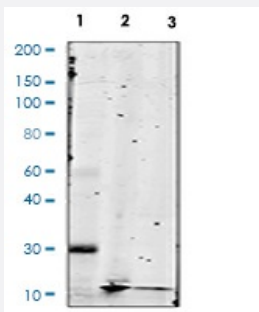


RecomAb™

# H2AX recombinant monoclonal antibody, clone HisH2AXS139-1B3

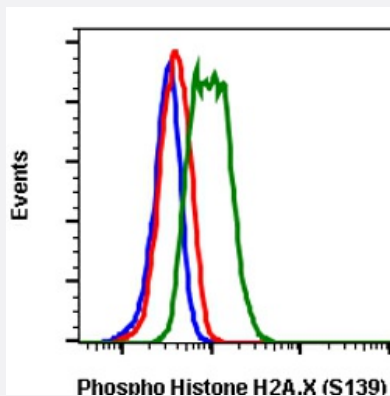
Catalog # RAB02811      Size 200 uL

## Applications



### Western Blot

Western blot analysis of 293T cell extract untreated or treated with UV using 0.05 ug/mL Phospho-Histone H2A.X(Ser139) antibody HisH2AXS139-1B3.



### Flow Cytometry

Flow cytometric analysis of C2C12 cells secondary antibody only (blue) untreated (red) or UV and PMA-treated (green) using phospho-Histone H2A.X (Ser139) antibody HisH2AXS139-1B3 at 0.1 ug/mL

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human H2AX.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	A synthetic phospho-peptide corresponding to residues surrounding Ser139 of human phospho histone H2A.X.
<b>Reactivity</b>	Human
<b>Form</b>	Liquid

Purification	Protein A+G
Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% BSA
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — H2AFX

Entrez GeneID	<a href="#">3014</a>
Protein Accession#	<a href="#">P16104</a>
Gene Name	H2AFX
Gene Alias	H2A.X, H2A/X, H2AX
Gene Description	H2A histone family, member X
Omim ID	<a href="#">601772</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. [provided by RefSeq]

**Other Designations**

H2AX histone

**Pathway**

- [Systemic lupus erythematosus](#)

**Disease**

- [Azoospermia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Oligospermia](#)
- [Ovarian cancer](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Urinary Bladder Neoplasms](#)