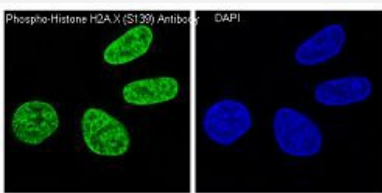


# H2AFX monoclonal antibody, clone AbH41

Catalog # MAB19495      Size 100 uL

## Applications

### Immunofluorescence



Immunofluorescent analysis of HeLa cells treated with H<sub>2</sub>O<sub>2</sub>, using H2AFX monoclonal antibody.

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against synthetic peptide of human H2AFX.
<b>Immunogen</b>	A synthetic peptide corresponding to human H2AFX.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (1:50~1:200) Immunoprecipitation (1:30) Western Blot (1:5000-1:10000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage Instruction</b>	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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

- Western Blot (Cell lysate)
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence

Immunofluorescent analysis of HeLa cells treated with H<sub>2</sub>O<sub>2</sub>, using H2AFX monoclonal antibody.

- Immunoprecipitation

## Gene Info — H2AFX

**Entrez GeneID** [3014](#)

**Protein Accession#** [P16104](#)

**Gene Name** H2AFX

**Gene Alias** H2A.X, H2A/X, H2AX

**Gene Description** H2A histone family, member X

**Omim ID** [601772](#)

**Gene Ontology** [Hyperlink](#)

**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](#)