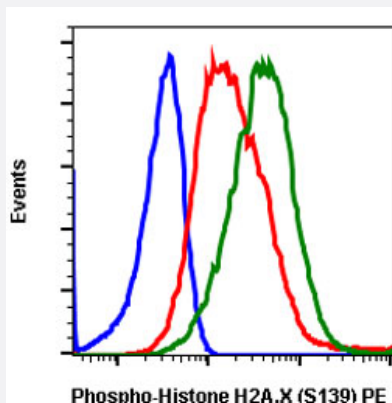


H2AFX (phospho S139) monoclonal antibody, clone 1E4 (PE)

Catalog # MAB18903 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of 293T cells with H2AFX (phospho S139) monoclonal antibody, clone 1E4 (PE) (Cat # MAB18903). Unstained untreated cells (blue) or stained untreated (red) or treated with UV and TPA (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human H2AFX.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding S139 of human H2AFX.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Conjugation	PE
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 μ L/ 10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).

Storage Instruction

Store at 4°C.

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[3014](#)**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](#)