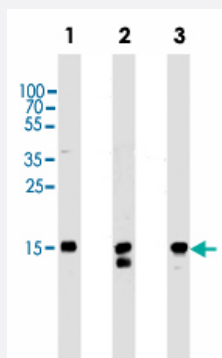


# H2AFX monoclonal antibody, clone 980CT1.5.5

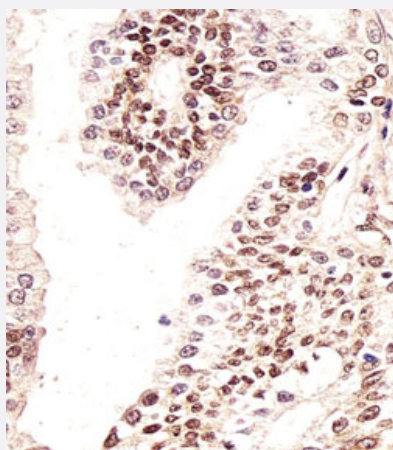
Catalog # MAB12334 Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of Lane 1: CEM cell line lysates Lane 2: HepG2 cell line lysates Lane 3: Raji cell line lysates reacted with H2AFX monoclonal antibody (Cat # MAB12334) at 1:1000 dilution.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human prostate section reacted with H2AFX monoclonal antibody (Cat # MAB12334) at 1:25 dilution.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against synthetic peptide of human H2AFX.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to amino acids 1-30 at N-terminus region of human H2AFX.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human

Form	Liquid
Purification	Protein G purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (1:25) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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>
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](#)