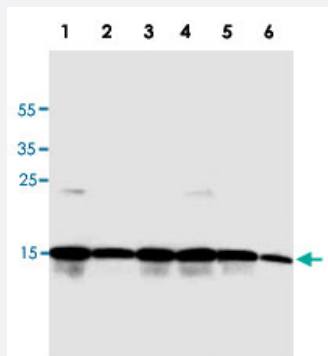


H2AFX monoclonal antibody, clone 938CT5.1.1

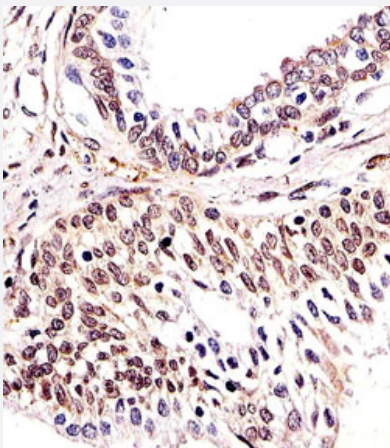
Catalog # MAB12332 Size 5 x 200 uL, 10 x 200 uL, 200 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: 293 cell line lysates Lane 2: CEM cell line lysates Lane 3: HepG2 cell line lysates Lane 4: Jurkat cell line lysates Lane 5: HeLa cell line lysates Lane 6: Raji cell line lysates reacted with H2AFX monoclonal antibody (Cat # MAB12332) at 1:2000 dilution.



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

Immunohistochemical staining of paraffin-embedded human prostate section reacted with H2AFX monoclonal antibody (Cat # MAB12332) at 1:25 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human H2AFX.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 115-143 at C-terminus region of human H2AFX.
Host	Mouse
Reactivity	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

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: 293 cell line lysates Lane 2: CEM cell line lysates Lane 3: HepG2 cell line lysates Lane 4: Jurkat cell line lysates Lane 5: Hela cell line lysates Lane 6: Raji cell line lysates reacted with H2AFX monoclonal antibody (Cat # MAB12332) at 1:2000 dilution.

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

Immunohistochemical staining of paraffin-embedded human prostate section reacted with H2AFX monoclonal antibody (Cat # MAB12332) at 1:25 dilution.

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](#)