

## H2AFX monoclonal antibody

Catalog: MB23409

Host: Mouse

Reactivity: Human

### BackGround:

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 replication-independent histone that is 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.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

15.1kDa

### Swiss-Prot:

P16104

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/50 - 1/200  
FC:1/200 - 1/400

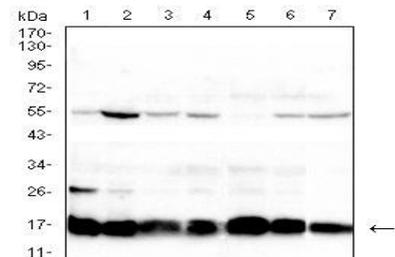
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

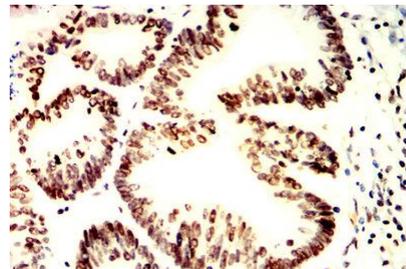
### Isotype:

Mouse IgG1

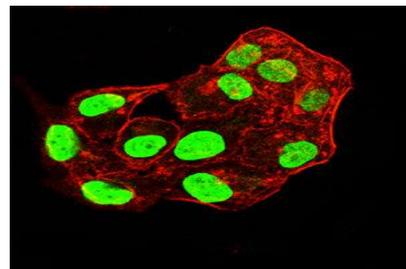
### DATA:



Western blot analysis using H2AFX mouse mAb against HEK293 (1), HepG2 (2), Jurkat (3), HeLa (4), Raji (5), K562 (6) and HCT116 (7) cell lysate.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using H2AFX mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using H2AFX mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

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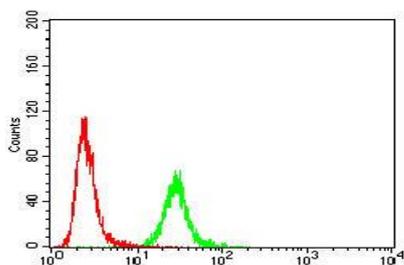
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Flow cytometric analysis of Hela cells using H2AFX mouse mAb (green) and negative control (red).

**Note:**

For research use only, not for use in diagnostic procedure.

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