

Product Name: H2AFX Mouse Monoclonal Antibody
Catalog #: AMM82932



Summary

Production Name	H2AFX Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,FC
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	H2AFX
Alternative Names	H2AX; H2A.X; H2A/X
Gene ID	3014.0
SwissProt ID	P16104.Purified recombinant fragment of human H2AFX expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,IHC:1:200-1:1000,ICC:1:50-1:200,FC:1:200-1:400
Molecular Weight	15.1kDa

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in

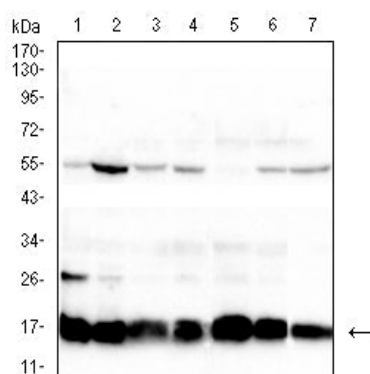
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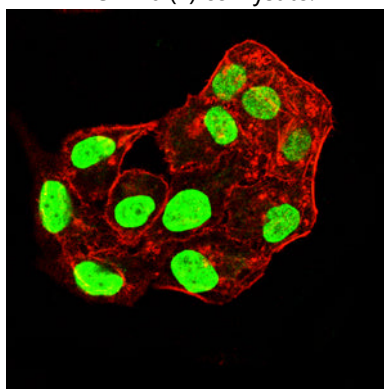
eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin 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.

Research Area

Image Data

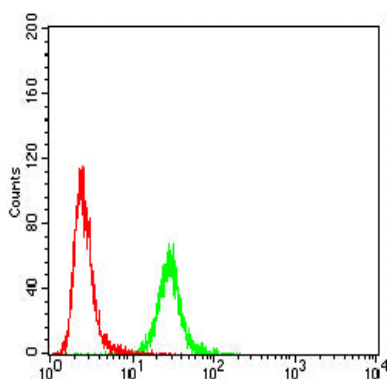


Western blot analysis using H2AFX mouse mAb against HEK293 (1), HepG2 (2), Jurkat (3), Hela (4), Raji (5), K562 (6) and HCT116 (7) cell lysate.

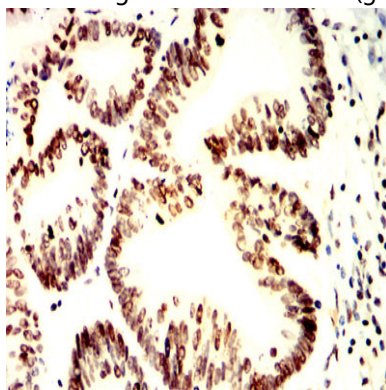


Immunofluorescence analysis of Hela cells using H2AFX mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

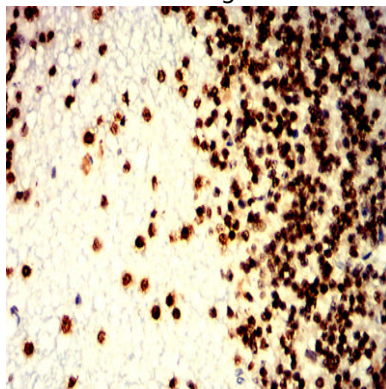
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Flow cytometric analysis of Hela cells using H2AFX mouse mAb (green) and negative control (red).



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



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

Note

For research use only.