

H2AFX Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3284
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human H2AFX expressed in E. Coli.
Mol wt	15.1kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	H2AX;H2A.X;H2A/X

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

WB: 1:500 - 1:2000

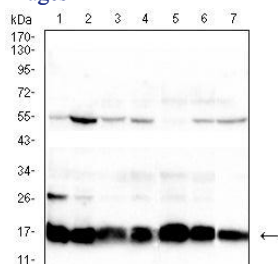
IHC-p: 1:200 - 1:1000

ICC: 1:50 - 1:200

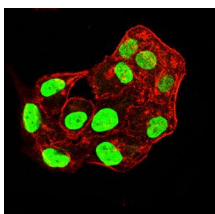
FCM: 1:200 - 1:400

Not yet tested in other applications.

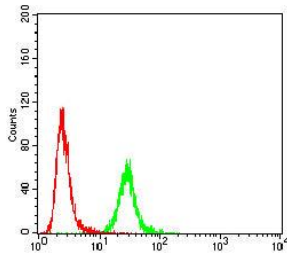
Images



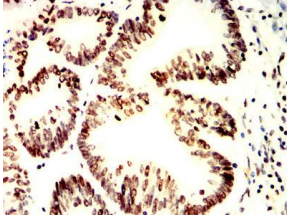
Western blot analysis using H2AFX mouse mAb against HEK293 (1), HepG2 (2), Jurkat (3),Hela (4), Raji (5), K562 (6) and HCT116 (7) cell lysate.



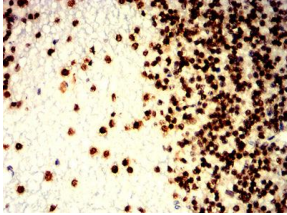
Immunofluorescence analysis of HeLa cells using H2AFX mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



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



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



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com