

# H2AFX Polyclonal Antibody

Catalog No: tcba1656



## Available Sizes

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**Size:** 50ul

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**Size:** 100ul

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**Size:** 200ul

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## Specifications

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**Application:**

WB,IHC,IF

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**Research Area:**

Cancer,DNA Damage/Repair,Epigenetics,

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**Species Reactivity:**

Human,Mouse,Rat

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**Host Species:**

Rabbit

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**Isotype:**

IgG

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**Form:**

Liquid

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**Storage Buffer:**

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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**Recommended Dilution:**

WB 1:500 - 1:2000

IHC 1:100 - 1:200

IF 1:50 - 1:200

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**Storage Instruction:**

Store at -20°C. Avoid freeze / thaw cycles.

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**Alternative Names:**

H2A.X;H2A/X;H2AX

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**SwissProt:**

P16104

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**Gene ID:**

3014 (human);

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**Calculated Molecular Weight:**

15kDa

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**Purification:**

Affinity purification

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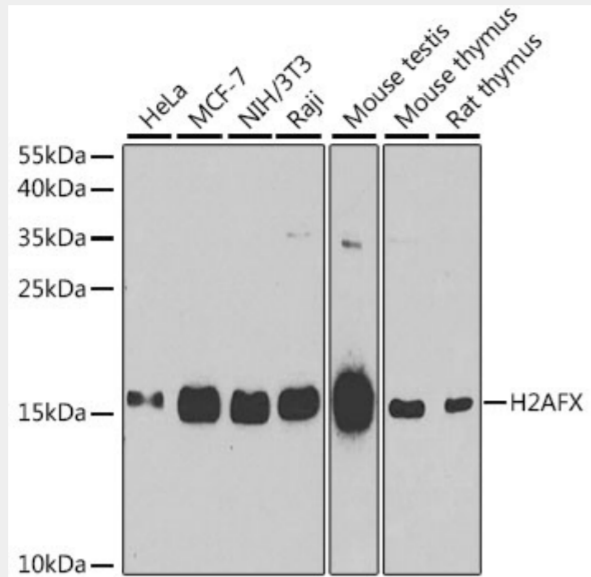
**Cellular Location:**

Chromosome,Nucleus,

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**Product Description**

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.



Western blot analysis of extracts of various cell lines, using H2AFX antibody at 1:1000 dilution.

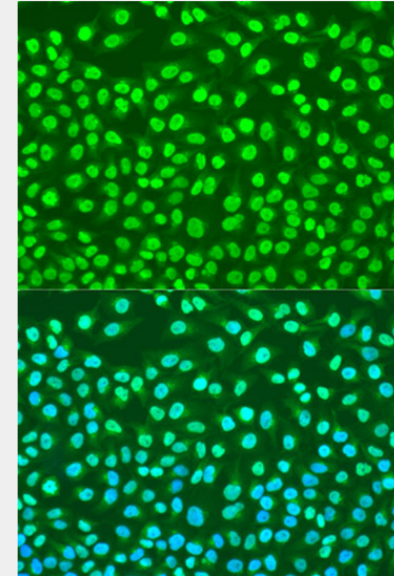
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

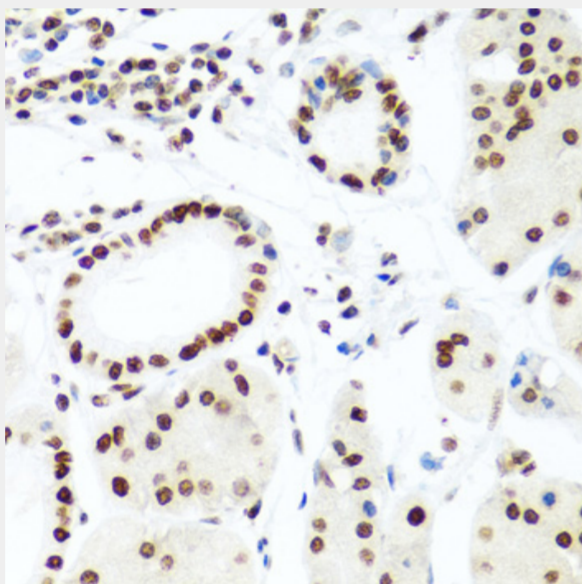
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit.

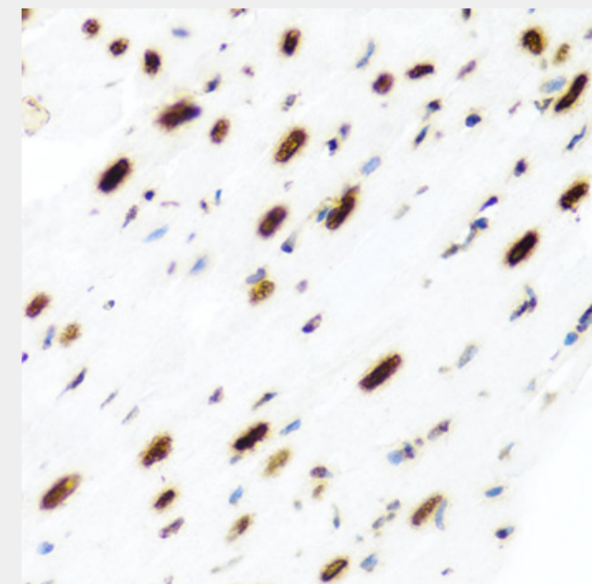
Exposure time: 90s.



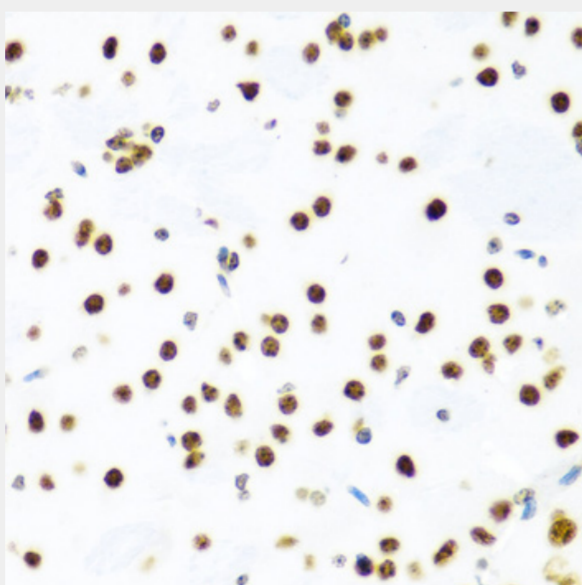
Immunofluorescence analysis of U2OS cells using H2AFX antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



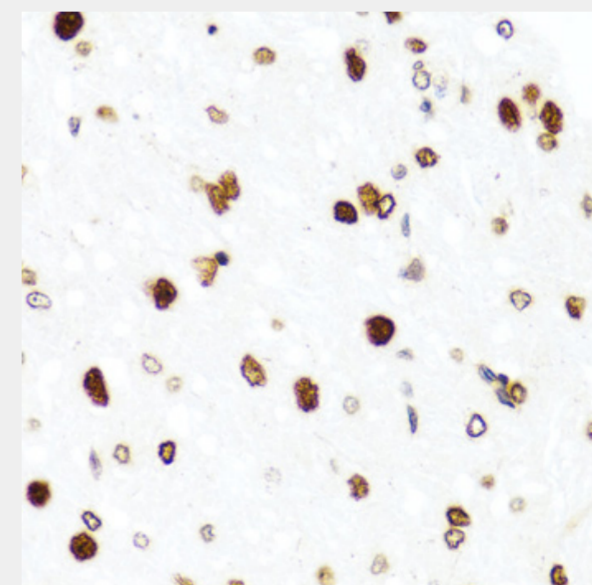
Immunohistochemistry of paraffin-embedded human stomach using H2AFX antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat heart using H2AFX antibody at dilution of 1:100 (40x lens).

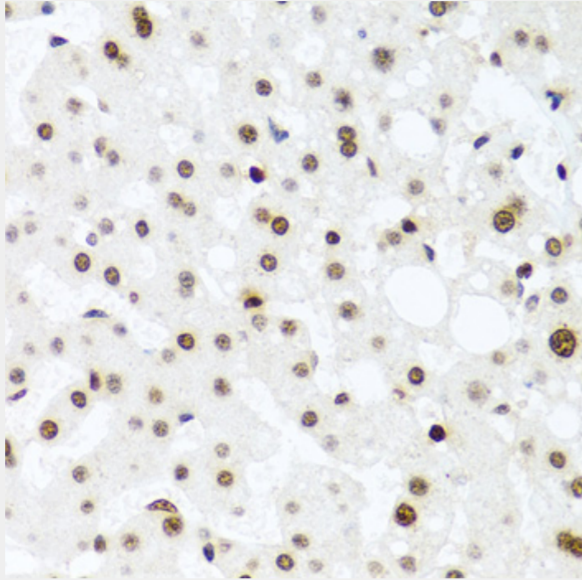


Immunohistochemistry of paraffin-embedded mouse brain using H2AFX antibody at dilution of 1:100 (40x lens).

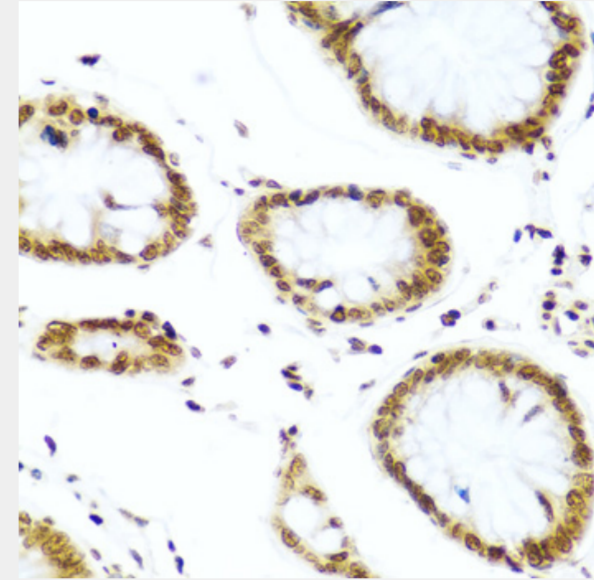


Immunohistochemistry of paraffin-embedded rat brain using H2AFX antibody at dilution of 1:100 (40x lens).

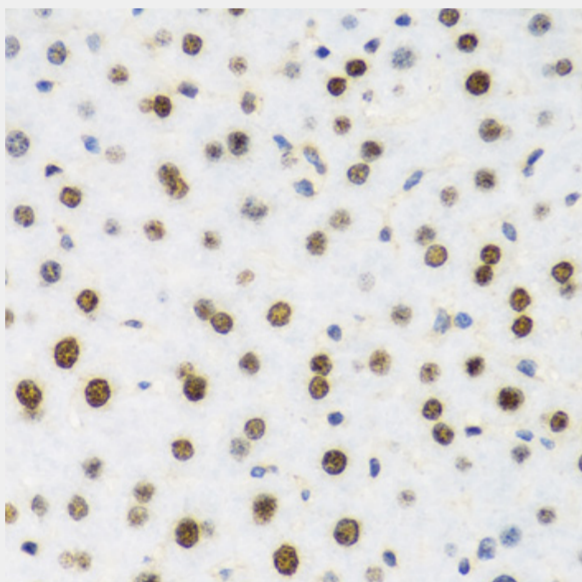




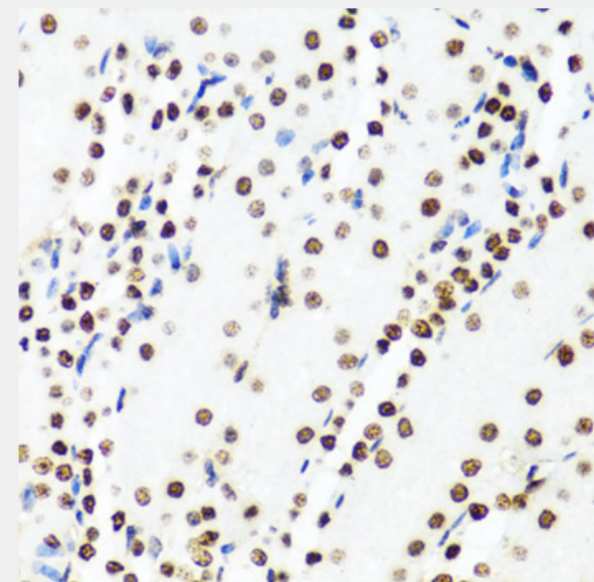
Immunohistochemistry of paraffin-embedded human liver injury using H2AFX antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon using H2AFX antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse liver using H2AFX antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using H2AFX antibody at dilution of 1:100 (40x lens).

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