

Histone H2AX Rabbit pAb

Catalog No.: A2082 **10 Publications**

Basic Information

Observed MW

15kDa

Calculated MW

15kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat, Other (Wide Range Predicted)

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 Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:100
IF/ICC	1:50 - 1:100

Immunogen Information

Gene ID

3014

Swiss Prot

P16104

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-143 of human Histone H2AX (NP_002096.1).

Synonyms

H2A.X; H2A/X; H2AFX; Histone H2AX

Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

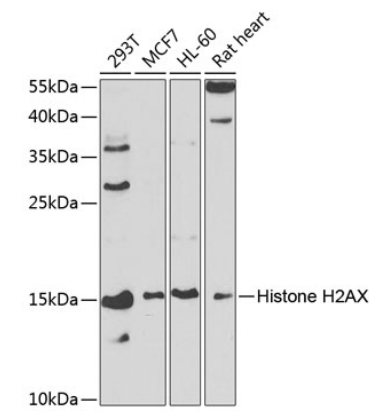
Affinity purification

Storage

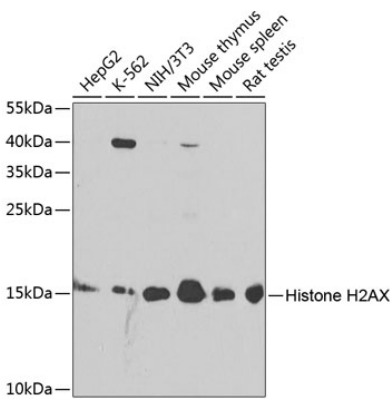
Store at -20°C. Avoid freeze / thaw cycles.

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

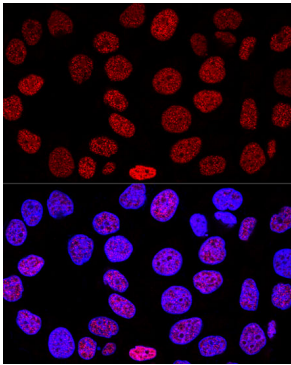
Validation Data



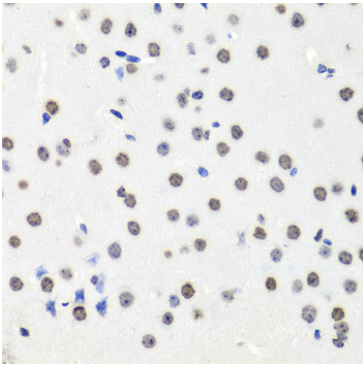
Western blot analysis of various lysates using Histone H2AX Rabbit pAb (A2082) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



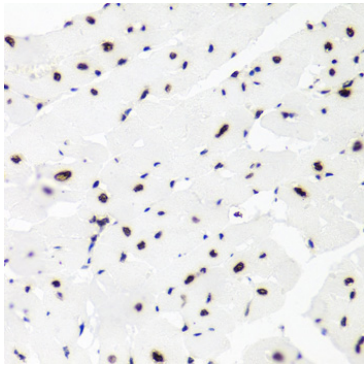
Western blot analysis of various lysates using Histone H2AX Rabbit pAb (A2082) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Confocal immunofluorescence analysis of HeLa cells using Histone H2AX Rabbit pAb (A2082) at dilution of 1:200. Blue: DAPI for nuclear staining.

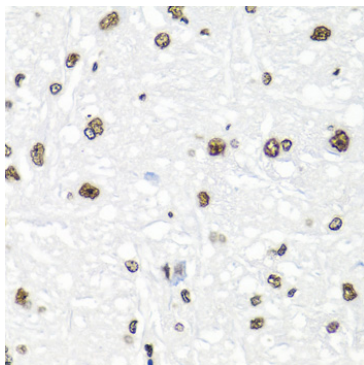


Immunohistochemistry analysis of Histone H2AX in paraffin-embedded mouse brain using Histone H2AX Rabbit pAb (A2082) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Histone H2AX in paraffin-embedded rat heart using Histone H2AX Rabbit pAb (A2082) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Validation Data



Immunohistochemistry analysis of Histone H2AX in paraffin-embedded rat brain using Histone H2AX Rabbit pAb (A2082) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.