Histone H2A.X Polyclonal Antibody

Catalog No: #54667

Package Size: #54667-1 50ul #54667-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

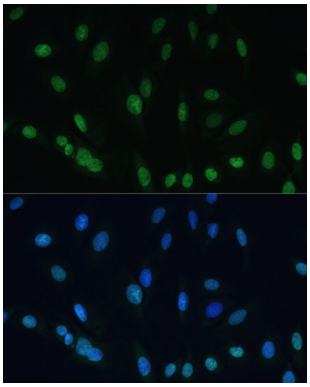
Description

Product Name	Histone H2A.X Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	A synthetic peptide of human Histone H2AX.
Conjugates	Unconjugated
Other Names	H2A.X;H2A/X;H2AX;Histone H2AX;H2AFX;histone H2AX;gamma H2A.X;γH2AX
Accession No.	Swiss Prot:P16104GeneID:3014
Calculated MW	15kDa
SDS-PAGE MW	15kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

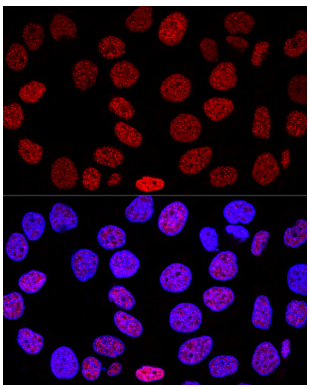
Application Details

WB□1:500 - 1:1000IHC□1:50 - 1:100IF□1:50 - 1:100

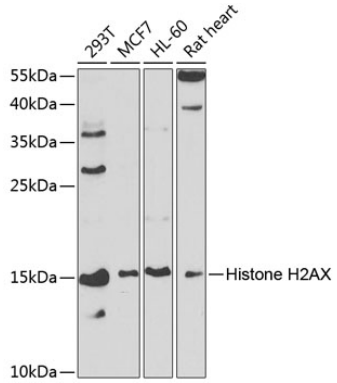
Images



Immunofluorescence analysis of U-2 OS cells using Histone H2AX Polyclonal at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of HeLa cells using Histone H2AX Polyclonal at dilution of 1:200. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using Histone H2AX at 1:1000 dilution.

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.

Published Papers

el at., 2-Mercaptoethanol protects against DNA double-strand breaks after kidney ischemia and reperfusion injury through GPX4 upregulation. In Pharmacol Rep on 2022 Oct by Daeun Moon, Babu J Padanilam, et al..PMID: 35989399, , (2022)

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Ye Liuqi;Lin Danlei;Zhang Wen;Chen Shiji;Zhen Yumiao;Akkouche Sara;Liang Xiaoxu;Chong Cheong-Meng;Zhong Hai-Jing; el at., AMBRA1 drives gastric cancer progression through regulation of tumor plasticity, , (2024)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.