

Anti-Histone H2A.X H2AFX Rabbit Monoclonal Antibody

Catalog # ABO14140

Product Information

Application	WB, IHC, IF, ICC, IP
Primary Accession	P16104
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Histone H2A.X H2AFX Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	3014
Other Names	Histone H2AX, H2a/x, Histone H2A.X, H2AX (HGNC:4739)
Calculated MW	15145
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50
Subcellular Localization	Nucleus. Chromosome.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: BIA-8
Immunogen	A synthesized peptide derived from human Histone H2A.X
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

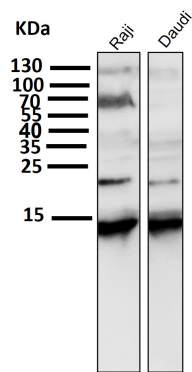
Protein Information

Name	H2AX (HGNC:4739)
Function	Variant histone H2A which replaces conventional H2A in a subset of

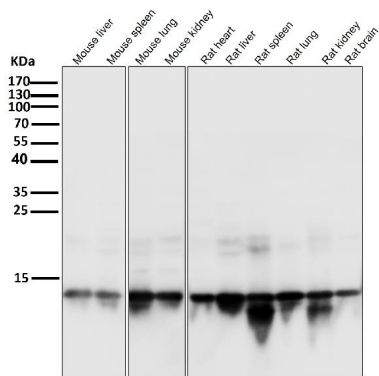
nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post- translational modifications of histones, also called histone code, and nucleosome remodeling. Required for checkpoint-mediated arrest of cell cycle progression in response to low doses of ionizing radiation and for efficient repair of DNA double strand breaks (DSBs) specifically when modified by C-terminal phosphorylation.

Cellular Location Nucleus. Chromosome

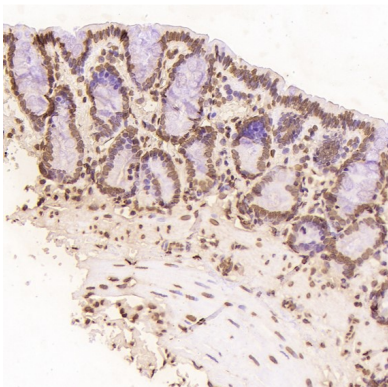
Images



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

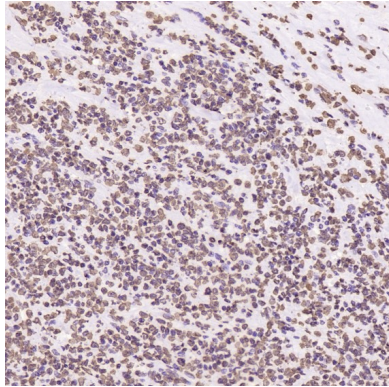
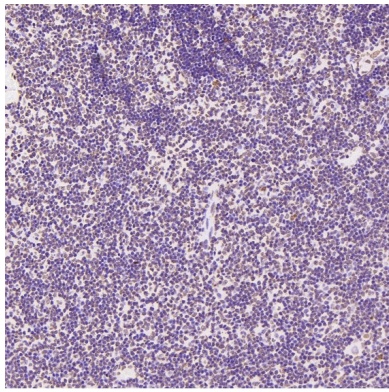


All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.

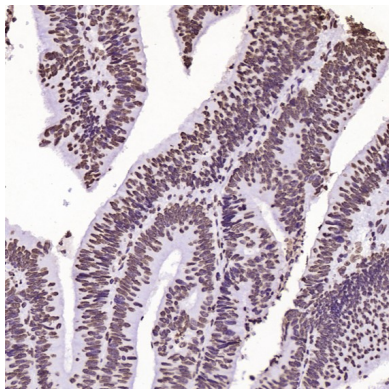


Immunohistochemical analysis of paraffin-embedded Rat stomach, using the Antibody at 1:500 dilution.

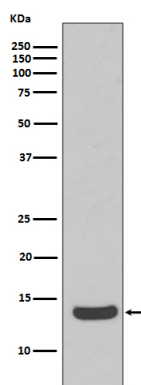
Immunohistochemical analysis of paraffin-embedded Rat pancreas, using the Antibody at 1:500 dilution.



Immunohistochemical analysis of paraffin-embedded Human Hodgkin's lymphoma, using the Antibody at 1:250 dilution.

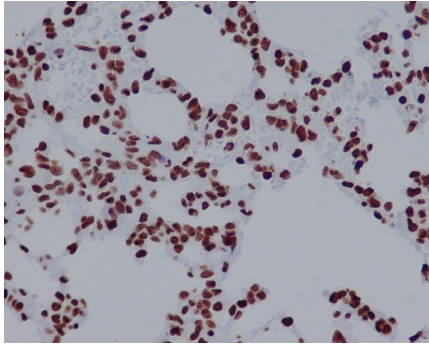
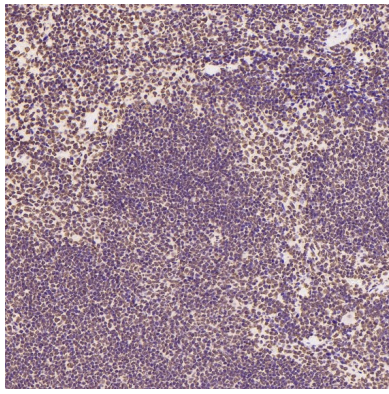


Immunohistochemical analysis of paraffin-embedded Human colon cancer, using the Antibody at 1:1000 dilution.

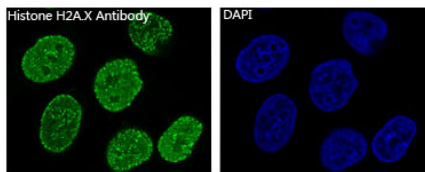


Western blot analysis of Histone H2A.X expression in Raji cell lysates.

Immunohistochemical analysis of paraffin-embedded Mouse spleen, using the Antibody at 1:500 dilution.



Immunohistochemical analysis of paraffin-embedded rat lung, using Histone H2A.X Antibody.



Immunofluorescent analysis of Hela cells, using Histone H2A.X Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.