

Product Datasheet

Histone H2AX Antibody NBP2-27428

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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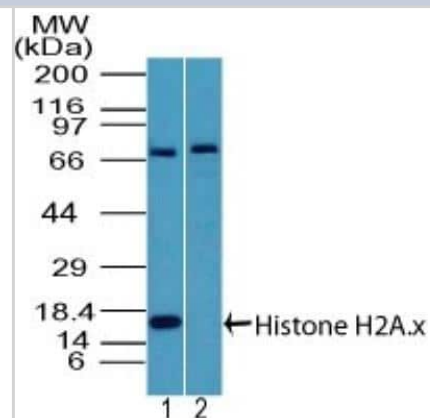
NBP2-27428

Histone H2AX Antibody

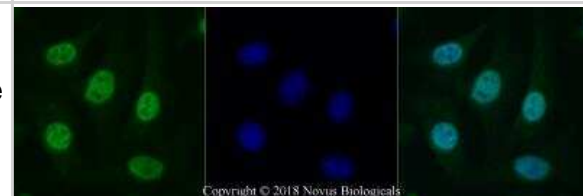
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	0.2 ml PBS and 0.05% BSA
Product Description	
Host	Rabbit
Gene ID	3014
Gene Symbol	H2AX
Species	Human, Mouse
Reactivity Notes	The amino acid sequence used as immunogen is 100% homologous in human, mouse and rat.
Immunogen	A portion of amino acids 50-110 of human Histone H2A.x was used as the immunogen.
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 4-7ug/ml~, Simple Western reported by internal validation, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 5-10ug/ml
Application Notes	In Simple Western internal validation: Transfected HeLa, Human Primary Fibroblast Lysates as samples; separated by size; antibody dilution of 1:100; matrix was 12-230 kDa; detected by Chemiluminescence.

Images

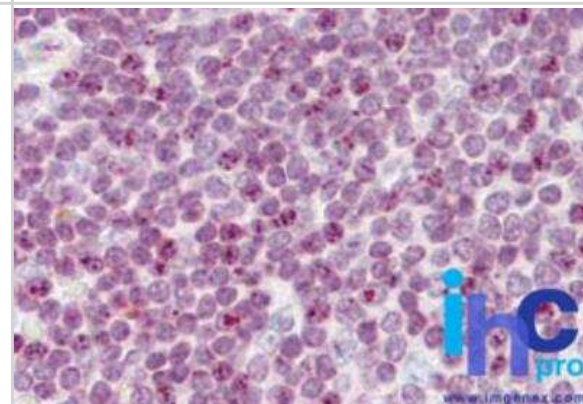
Western Blot: H2AX Antibody [NBP2-27428] - Analysis of MOLT4 lysate in the 1) absence and 2) presence of immunizing peptide using Histone H2A.x antibody at 4 ug/ml. Goat anti-rabbit Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



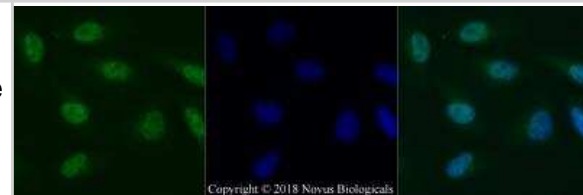
Immunocytochemistry/Immunofluorescence: H2AX Antibody [NBP2-27428] - NIH3T3 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.5% Triton-X100. The cells were incubated with anti-H2AX at 5 ug/ml overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Immunohistochemistry-Paraffin: H2AX Antibody [NBP2-27428] - Formalin-fixed, paraffin-embedded human spleen stained with Histone H2A.x antibody at 10 ug/ml.



Immunocytochemistry/Immunofluorescence: H2AX Antibody [NBP2-27428] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.5% Triton-X100. The cells were incubated with anti-H2AX at 5 ug/ml overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Publications

A Kannan, K Bhatia, D Brnzei, L Gangwani Combined deficiency of Senataxin and DNA-PKcs causes DNA damage accumulation and neurodegeneration in spinal muscular atrophy *Nucleic Acids Res.*, 2018-09-19;0(0):. 2018-09-19 [PMID: 30010942] (Simple Western, Human)



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Products Related to NBP2-27428

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-42464	Recombinant Human Histone H2AX His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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