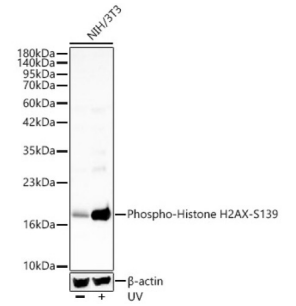
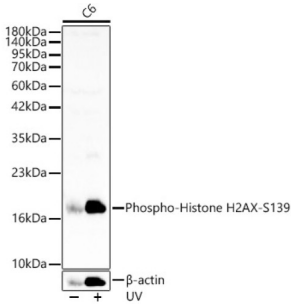
Histone H2A.x (pS139) Antibody

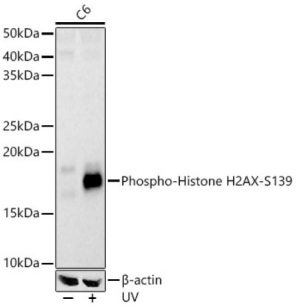
Catalogue No.:abx000167



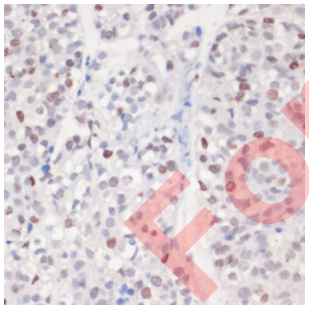
Western blot analysis of lysates from NIH/3T3 cells using Phospho-Histone H2AX-S139 Antibody at 1/400 dilution. NIH/3T3 cells were treated by UV at room temperature for 15-30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 20s.



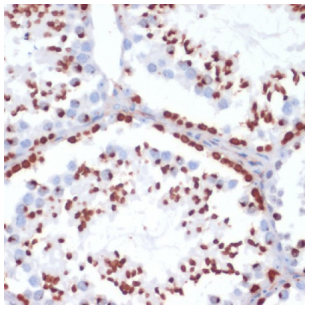
Western blot analysis of lysates from C6 cells using Phospho-Histone H2AX-S139 Antibody at 1/400 dilution. C6 cells were treated by UV at room temperature for 15-30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 20s.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Phospho-Histone H2AX-S139 Antibody at a dilution of 1/100 (40x lens). High pressure antigen retrieval was performed in 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using Phospho-Histone H2AX-S139 Antibody at a dilution of 1/100 (40x lens). High pressure antigen retrieval was performed in 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue using Phospho-Histone H2AX-S139 Antibody at a dilution of 1/100 (40x lens). High pressure antigen retrieval was performed in 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

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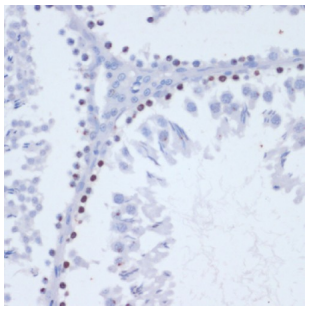
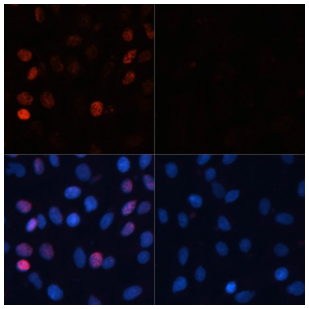


Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Phospho-Histone H2AX-S139 Antibody at a dilution of 1/100 (40x lens). High pressure antigen retrieval was performed in 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of 293T(treated with UV) and 293T(untreated) cells using Phospho-Histone H2AX-S139 Antibody at a dilution of 1/100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

Histone H2A.x (pS139) Antibody is a Rabbit Polyclonal antibody against Histone H2A.x (pS139). 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 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.

Target:	Histone H2A.x (pS139)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/500 - 1/1000, IHC-P: 1/50 - 1/200, IF/ICC: 1/100 - 1/500. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A synthetic phosphorylated peptide around S139 of human Histone H2AX.
Isotype:	IgG
Form:	Liquid

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Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P16104 (UniProt, ExPASy)
Gene Symbol:	H2AFX
GeneID:	3014
NCBI Accession:	NP_002096.1
KEGG:	hsa:3014
String:	9606.ENSP00000434024
Molecular Weight:	Calculated MW: 15 kDa Observed MW: 17 kDa
Buffer:	PBS, pH 7.3, containing 0.09% sodium azide, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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