

Rabbit Phospho-Histone H2AX-S139 Monoclonal Antibody | anti-H2AX-S139 antibody

Phospho-Histone H2AX-S139 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28390	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

Phospho-Histone H2AX-S139; Monoclonal Antibody; Phospho-Histone H2AX-S139 Rabbit mAb; H2A.X; H2A/X; H2AX; Histone H2AX; H2AFX; histone H2AX; gamma H2A.X; gammaH2AX; anti-H2AX-S139 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Applicable Applications for anti-H2AX-S139 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 Customer Validation: IHC: Mouse
Immunogen	A synthesized peptide derived from human Phospho-Histone H2A.X (S139).
Cellular Location	Chromosome, Nucleus
Positive Samples	NIH/3T3
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



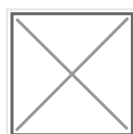
IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using Phospho-Histone H2AX-S139 antibody . Blue: DAPI for nuclear staining.



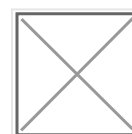
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using Phospho-Histone H2AX-S139 antibody . Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using Phospho-Histone H2AX-S139 antibody . Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse testis using Phospho-Histone H2AX-S139 antibody at dilution of 1:100 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human esophageal using Phospho-Histone H2AX-S139 antibody at dilution of 1:100 (40x lens).

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded rat testis using Phospho-Histone H2AX-S139 antibody at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-H2AX-S139 antibody	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. [provided by RefSeq, Oct 2015]
Product Categories/Family for anti-H2AX-S139 antibody	Epigenetics & Nuclear Signaling ; Histones ; Research ; Epigenetics & Nuclear Signaling ; Epigenetic Modifications ; Acetylation ; Research ; Epigenetics & Nuclear Signaling ; Epigenetic Modifications ; Phosphorylation ; Research ; Epigenetics & Nuclear Signaling ; D

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504253
NCBI GeneID	3014
NCBI Accession #	NP_002096.1
NCBI GenBank Nucleotide #	NM_002105.2
UniProt Accession #	P16104 ; Q4ZGJ7 ; Q6IAS5
Molecular Weight	15,145 Da
NCBI Official Full Name	histone H2A.x
NCBI Official Synonym Full Names	H2A histone family, member X
NCBI Official Symbol	H2AFX
NCBI Official Synonym Symbols	H2AX; H2A.X; H2A/X
NCBI Protein Information	histone H2A.x; H2AX histone
UniProt Protein Name	Histone H2A.x
UniProt Gene Name	H2AFX
UniProt Synonym Gene Names	H2AX; H2a/x
UniProt Entry Name	H2AX_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/phospho-histone-h2ax-s139-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/28390>