

Mouse anti-Human, Mouse Histone H2A.X Monoclonal Antibody | anti-H2A.X antibody

Anti-Histone H2A.X (Phospho-S139) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA265844	Mouse	Human, Mouse	Immunofluorescence, Western Blot

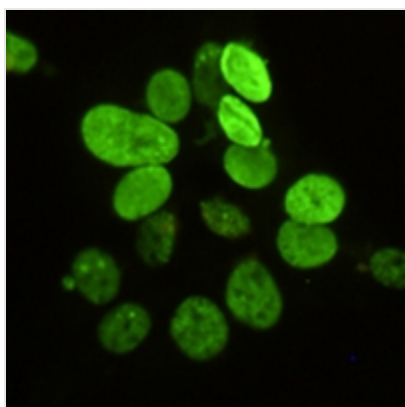
PRODUCT SYNONYMS

Histone H2A.X; Monoclonal Antibody; Anti-Histone H2A.X (Phospho-S139) Antibody; anti-H2A.X antibody

PRODUCT SPECIFICATIONS

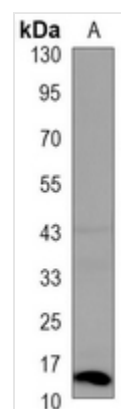
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of Histone H2A.X protein only when phosphorylated at S139.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH7.3.
Applicable Applications for anti-H2A.X antibody	IC (Immunochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S139 of human Histone H2A.X protein. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of Histone H2A.X (Phospho-S139) staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



WB (Western Blot)

Western blot analysis of Histone H2A.X (Phospho-S139) expression in NIH3T3 treated with Hydroxyurea (A) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 15 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-H2A.X antibody	Mouse monoclonal antibody to Histone H2A.X (Phospho-S139)
Product Categories/Family for anti-H2A.X antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504253
NCBI GeneID	3014
NCBI Accession #	NP_002096.1
NCBI GenBank Nucleotide #	NM_002105.2
UniProt Accession #	P16104 ; P27661
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/histone-h2ax-antibody-immunochemistry-immunofluorescence-western-blot-elisa/265844>