

Rabbit anti-Human Histone H2A.X Polyclonal Antibody | anti-H2A.X antibody

Histone H2A.X antibody (pAb)(H2AX)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59916	Rabbit	Human	Western Blot, Immunofluorescence, Immunocytochemistry, Chromatin Immunoprecipitation, Immunoprecipitation

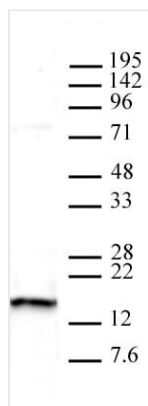
PRODUCT SYNONYMS

Histone H2A.X; Polyclonal Antibody; Histone H2A.X antibody (pAb)(H2AX); anti-H2A.X antibody

PRODUCT SPECIFICATIONS

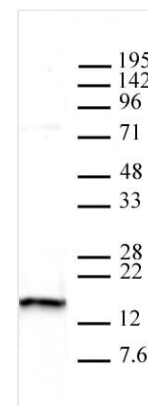
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Purified IgG in 70mM Tris (pH8), 105mM NaCl, 31mM glycine, 0.07mM EDTA, 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-H2A.X antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), ChIP (Chromatin immunoprecipitation)
Immunogen	This Histone H2AX antibody was raised against a peptide derived from the C-terminus of human histone H2AX.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



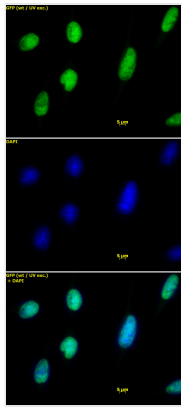
WB (Western Blot)

Histone H2AX pAb tested by Western blot. 30 ug of HeLa cell nuclear extract was probed with Histone H2AX pAb at a dilution of 1:2,000.



WB (Western Blot)

Histone H2AX pAb tested by Western blot. Western blot probed with Histone H2AX pAb at a dilution of 1:2,000. Lane 1: Recombinant human histone H2AX (100 ng). Lane 2: Mouse embryonic fibroblast (MEF) cell wild type nuclear lysate. Lane 3: MEF cell nuclear extract derived from H2AX -/- nulls.



IF (Immunofluorescence)

Histone H2AX antibody tested by immunofluorescence. Detection of Histone H2AX by immunofluorescence. HeLa cells were stained with Histone H2AX antibody at a dilution of 1:1,000. Top panel: Histone H2AX antibody staining. Middle panel: DAPI. Bottom panel: merge.

ADDITIONAL INFORMATION

Related Product Information for anti-H2A.X antibody	Short Description: Our Histone H2A.X antibody (pAb)(H2AX) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, Immunocytochemistry, Immunofluorescence and Western blot; it has been shown to react with Human samples. Background: Histone H2AX (H2AX, H2A histone family member X) replaces conventional H2A in a subset of nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries that require DNA as a template. Histones thereby play a central role in transcriptional regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called the histone code, and nucleosome remodeling. Histone H2AX is 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.
Product Categories/Family for anti-H2A.X antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504253
NCBI GeneID	3014
NCBI Accession #	NP_002096 ; AB_2728764
NCBI GenBank Nucleotide #	NM_002105
UniProt Accession #	P16104 ; Q4ZGJ7 ; Q6IAS5
Molecular Weight	15,145 Da
NCBI Official Full Name	histone H2AX
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 H2AX; H2AX histone; histone H2A.x
UniProt Protein Name	Histone H2A.x
UniProt Gene Name	H2AFX
UniProt Synonym Gene Names	H2AX; H2a/x

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/histone-h2ax-antibody-western-blot-immunofluorescence-immunocytochemistry-chromatin-immunoprecipitation-elisa/59916>