

Rabbit Histone H2A.X Monoclonal Antibody | anti-H2AFX antibody

Histone H2A.X (Phospho-S139) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA310996	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

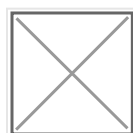
PRODUCT SYNONYMS

Histone H2A.X; Monoclonal Antibody; Histone H2A.X (Phospho-S139) Antibody; AW228881 antibody; H2A histone family member X antibody; H2A.FX antibody; H2A.X antibody; H2a/x antibody; H2AFX antibody; H2AX antibody; H2AX histone antibody; H2AX_HUMAN antibody; Hist5.2ax antibody; Histone 2A antibody; Histone 2AX antibody; Histone H2A.X antibody; Histone H2AX antibody; RGD1566119 antibody; anti-H2AFX antibody

PRODUCT SPECIFICATIONS

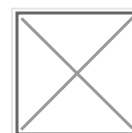
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SR33-09
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-H2AFX antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Synthetic phospho-peptide corresponding to residues surrounding Ser139 of human Histone H2A.X.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti- Phospho-Histone H2A.X (S139) antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of Phospho-Histone H2A.X (S139) on HepG2 cell lysates using anti-Phospho-Histone H2A.X (S139) antibody at 1/1,000 dilution. Positive control: Lane 1: HepG2 cell lysate; Lane 2: Treated with etoposide; Lane 3: HepG2 cell lysate; Lane 4: Untreated

ADDITIONAL INFORMATION

Related Product Information for anti-H2AFX antibody	Histone H2A.X is a member of the Histone H2A family, which is involved in nucleosomal organization of chromatin. The H2AFX gene is located in close proximity to the Porphobilinogen deaminase (PBG-D) gene in both mouse and human, and maps to chromosome 9 and 11q23, respectively. H2A.X differs from the other members of the H2A family by the presence of a highly conserved C-terminal motif. It is rapidly phosphorylated in response to ionizing radiation and plays an important role in the recognition and repair of DNA double stranded breaks. The phosphorylated form of H2A.X, designated -H2A.X, forms nuclear foci at the heavy chain constant region of cells involved in class switch recombination (CSR), a region-specific DNA reaction that replaces one immunoglobulin heavy chain constant region gene with another. The phosphorylated -H2A.X is also thought to initiate subsequent repair factors, including Rad50, Rad51 and BRCA1.
Product Categories/Family for anti-H2AFX antibody	Phospho-specific Ab

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/histone-h2ax-antibody-clone-sr33-09-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/310996>