

Rabbit anti-Human, Mouse gamma-H2AX Polyclonal Antibody | anti-gamma-H2AX antibody

Rabbit anti-gamma-H2AX Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210752	Rabbit	Human, Mouse	Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

gamma-H2AX; Polyclonal Antibody; Rabbit anti-gamma-H2AX Antibody; Affinity Purified; H2AX histone; histone H2AX; H2AX; H2A/X; H2A.X; histone H2A.x; Histone H2AX; H2A histone family member X; anti-gamma-H2AX antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-gamma-H2AX antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Surrounding serine 140
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



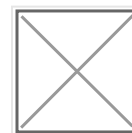
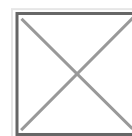
WB (Western Blot)

Detection of mouse gamma H2AX by western blot. Samples: Whole cell lysate (10 ug) from NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-gamma H2AX antibody (AAA210752 lot 23) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds. Lower Panel: Rabbit anti-GAPDH recombinant monoclonal antibody .



WB (Western Blot)

Detection of human gamma H2AX by western blot. Samples: Whole cell lysate (10 ug) from Jurkat cells treated with 100 uM etoposide (+) or mock treated (-). Antibody: Affinity purified rabbit anti-gamma H2AX antibody (AAA210752 lot 23) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds. Lower Panel: Rabbit anti-H2AX recombinant monoclonal antibody .



IHC (Immunohistochemistry)

Detection of mouse gamma-H2AX by immunohistochemistry. Sample: FFPE section of mouse renal cell carcinoma. Antibody: Affinity purified rabbit anti-gamma-H2AX (AAA210752 lot 23) used at a dilution of 1:1,000 (1 ug/ml). Detection: DAB.

IHC (Immunohistochemistry)

Detection of human gamma-H2AX by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-gamma-H2AX (AAA210752 lot 23) used at a dilution of 1:5,000 (0.2 ug/ml). Detection: DAB.



ICC (Immunocytochemistry)

Detection of human gamma-H2AX by immunocytochemistry. Samples: Neocarzinostatin treated asynchronous HeLa cells (left) and untreated asynchronous HeLa cells (right). Antibody: Affinity purified rabbit anti-gamma-H2AX (Cat. No. AAA210752 lot 12) used at a dilution of 1:5,000 (0.2ug/ml). Detection: Red fluorescent Anti-rabbit IgG-DyLight 594 conjugated used at a dilution of 1:100.

ADDITIONAL INFORMATION

Related Product Information for anti-gamma-H2AX antibody	H2AX is a member of the histone H2A family. The four core histones involved in the formation of the nucleosome structure of compacted chromatin are H2A, H2B, H3, and H4. H2AX may function to facilitate DNA repair, and recent studies have shown that H2AX is required for the maintenance of genomic stability. Gamma H2AX is the phosphorylated form of H2AX that results in response to DNA damage.
Product Categories/Family for anti-gamma-H2AX 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 ; 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/polyclonal/gamma-h2ax-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/210752>