

Rabbit Histone H2A/H4S1ph Polyclonal Antibody | anti-H2A/H4S1ph antibody

Histone H2A/H4S1ph antibody (pAb)

CATALOG # AAA59830	HOST Rabbit	REACTIVITY Human, Wide Range Predicted	APPLICATIONS Western Blot, Dot Blot
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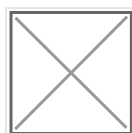
PRODUCT SYNONYMS

Histone H2A/H4S1ph; Polyclonal Antibody; Histone H2A/H4S1ph antibody (pAb); Histone H2A/H4 phosphoserine-1; anti-H2A/H4S1ph antibody

PRODUCT SPECIFICATIONS

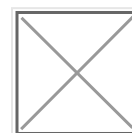
Host	Rabbit
Reactivity	Human, Wide Range Predicted
Clonality	Polyclonal
Form/Format	Rabbit serum containing 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-H2A/H4S1ph antibody	WB (Western Blot), DB (Dot Blot)
Conjugation	Phosphorylated
Immunogen	This Histone H2A/H4 phospho Ser1 antibody was raised against a peptide including phospho-serine 1 of human histone H2A.
Abs Residue	Ser
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



DB (Dot Blot)

Histone H2A/H4 phospho Ser1 pAb tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of Histone H2A/H4 phospho Ser1 pAb for phospho Ser1 of Histone H2A/H4. Modified and unmodified peptides were spotted onto PVDF and probed with the antibody at a 1:10,000 dilution. The amount of peptide spotted (in picomoles) is indicated next to each row. Lane 1: Peptide phosphorylated at Ser1. Lane 2: Unmodified Ser1 peptide.



WB (Western Blot)

Histone H2A/H4 phospho Ser1 pAb tested by Western blot. HeLa acid extract (5 ug per lane) was probed with 1:30,000 dilution). Lane 1: No treatment. Lane 2: Cells treated with colcemid.

ADDITIONAL INFORMATION

Related Product Information for anti-H2A/H4S1ph antibody	Short Description: Our Histone H2A/H4S1ph antibody (pAb) was raised in a Rabbit host. It has been validated for use in Dot blot and Western blot; it has been shown to react with Human samples, but it is predicted that it will react with a wide range of sample types. Background: Histones H2A and H4 are core components of the nucleosome. The nucleosome is the smallest subunit of chromatin and consists of 147 base pairs of DNA wrapped around an octamer of core histone proteins (two each of Histone H2A, Histone H2B, Histone H3 and Histone H4). Histone H1 is a linker histone, present at the interface between the nucleosome core and DNA entry/exit points; it is responsible for establishing higher-order chromatin structure. Chromatin is subject to a variety of chemical modifications, including post-translational modifications of the histone proteins and the methylation of cytosine residues in the DNA. Reported histone modifications include acetylation, methylation, phosphorylation, ubiquitylation, glycosylation, ADP-ribosylation, carbonylation and SUMOylation; they play a major role in regulating gene expression. The first five amino acids of histone H2A and histone H4 are identical in metazoans and include an amino-terminal serine residue. Histone H2A phosphorylation at serine 1 is enriched during mitosis, while H4 phosphorylation increases subsequent to DNA double-strand breaks.
Product Categories/Family for anti-H2A/H4S1ph antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	24638446
NCBI GeneID	8338
NCBI Accession #	NP_003508; NP_778224 (Histone H4); AB_2793160
NCBI GenBank Nucleotide #	NM_003517
UniProt Accession #	Q16777
Molecular Weight	14kDa
NCBI Official Full Name	histone H2A type 2-C
NCBI Official Synonym Full Names	histone cluster 2 H2A family member c
NCBI Official Symbol	HIST2H2AC
NCBI Official Synonym Symbols	H2A; H2A/q; H2AFQ; H2A-GL101
NCBI Protein Information	histone H2A type 2-C
UniProt Protein Name	Histone H2A type 2-C
UniProt Gene Name	HIST2H2AC
UniProt Synonym Gene Names	H2AFQ
UniProt Entry Name	H2A2C_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/histone-h2a-h4s1ph-antibody-western-blot-dot-blot-elisa/59830>