

Rabbit Histone H2AT120ph Polyclonal Antibody | anti-H2AT120ph antibody

Histone H2AT120ph antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59871	Rabbit	Human, Wide Range Predicted	Western Blot, Dot Blot

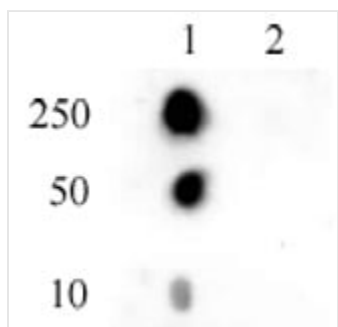
PRODUCT SYNONYMS

Histone H2AT120ph; Polyclonal Antibody; Histone H2AT120ph antibody (pAb); anti-H2AT120ph antibody

PRODUCT SPECIFICATIONS

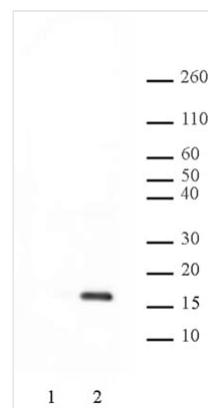
Host	Rabbit
Reactivity	Human, Wide Range Predicted
Clonality	Polyclonal
Isotype	Serum
Form/Format	Rabbit serum containing 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic. For your convenience, an IgG version of this antibody that was purified by Protein A Chromatography is also available.
Applicable Applications for anti-H2AT120ph antibody	WB (Western Blot), DB (Dot Blot)
Immunogen	This Histone H2A phospho Thr120 antibody was raised against a peptide containing phospho-threonine 120 of histone H2A.
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°C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



DB (Dot Blot)

Histone H2A phospho Thr120 pAb tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of Histone H2A phospho Thr120 pAb for phospho Thr120 histone H2A. The modified and unmodified peptides to the immunogen were spotted onto PVDF and probed with the antibody at a dilution of 1:2,500. The amount of peptide (picomoles) spotted is indicated next to each row. Lane 1: Phospho Thr120 peptide. Lane 2: Unmodified Thr120 peptide.



WB (Western Blot)

Histone H2A phospho Thr120 pAb tested by Western blot. HeLa acid extract (20 ug per lane) was probed with Histone H2A phospho Thr120 pAb at a dilution of 1:2,500. Lane 1: No treatment. Lane 2: Cells treated with colcemid to arrest cells at mitosis.

ADDITIONAL INFORMATION

Related Product Information for anti-H2AT120ph antibody	Background: Histone H2A is one of the 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. Phosphorylation of histones occurs at multiple sites during mitosis. H2A Thr120 phosphorylation is observed on chromatin during both mitosis and meiosis. Thr120 phosphorylation is inversely correlated with ubiquitylation of H2A Lys119 in meiotic mouse spermatocytes. In Drosophila, loss of H2A Thr120 phosphorylation is associated with a failure to disassemble the synaptonemal complex, impaired loading of condensin and female infertility. It is possible that H2A Thr120 phosphorylation is involved in the regulation of chromatin structure.
Product Categories/Family for anti-H2AT120ph antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	24638446
NCBI GeneID	8338
NCBI Accession #	NP_003508; AB_2744670
NCBI GenBank Nucleotide #	NM_003517
UniProt Accession #	Q16777
Molecular Weight	16kDa
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-h2at120ph-antibody-western-blot-dot-blot-elisa/59871>