

Rabbit anti-Human Histone H2A Polyclonal Antibody | anti-HIST2H2AC antibody

Histone H2A (pThr120) antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50455	Rabbit	Human	Western Blot, Immunoblot, Western Blot

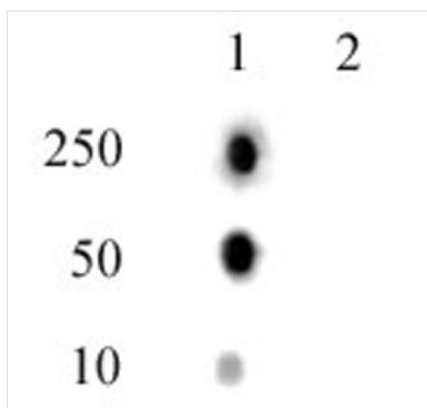
PRODUCT SYNONYMS

Histone H2A; Polyclonal Antibody; Histone H2A (pThr120) antibody; RABBIT ANTI HUMAN HISTONE H2A (pThr120); anti-HIST2H2AC antibody

PRODUCT SPECIFICATIONS

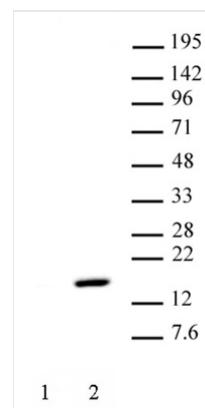
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antiserum to human histone H2A (pThr120) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography on Protein A.
Form/Format	Purified IgG - liquid Phosphate buffered saline 0.035% Sodium Azide (NaN ₃), 30% Glycerol
Applicable Applications for anti-HIST2H2AC antibody	WB (Western Blot), IB (Immunoblot)
Immunogen	A peptide containing phosphorylated threonine 120 of human histone H2A
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20 degree C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8 degree C for short term use (up to 4 weeks) and store the remaining aliquots at -20 degree C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

IMAGES



DB (Dot Blot)

Dot Blot testing of histone H2A (pThr120) antibody (AAA50455). Peptides containing phosphorylated threonine 120 of human histone H2A (lane 1) and unmodified human histone H2A (lane 2) were spotted onto PVDF in various amounts (indicated on the left in picomoles) and probed with AAA50455 at a dilution of 1 ug/ml.



WB (Western Blot)

Western blot analysis of HeLa acid extract (10 ug; lane 1) and HeLa acid extract treated with colcemid to arrest cells at mitosis (10 ug; lane 2) probed with histone H2A (pThr120) antibody (AAA50455) at a dilution of 1 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-HIST2H2AC antibody	Rabbit anti Human histone H2A (pThr120) antibody recognizes histone H2A when phosphorylated at threonine 120. Histone H2A is one of the four core histones that make up the nucleosome core particle. Nucleosomes are the smallest subunit of chromatin and are made up of 146 bp of DNA wrapped around an octamer comprised of pairs of the four core histones (H2A, H2B, H3, and H4) (Smith, 1991). Phosphorylation of histone H2A at threonine 120 promotes oncogenic transformation in human cancer cell lines via upregulation of cyclin D1 (Aihara et al. 2016). Wide species cross-reactivity is expected from Rabbit anti Human histone H2A (pThr120) antibody based on sequence homology.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24638446
NCBI GeneID	8338
NCBI Accession #	NP_003508.1
NCBI GenBank Nucleotide #	NM_003517.2
UniProt Accession #	Q16777; Q6DRA7; Q8IUE5
Molecular Weight	13,988 Da
NCBI Official Full Name	histone H2A type 2-C
NCBI Official Synonym Full Names	histone cluster 2, H2ac
NCBI Official Symbol	HIST2H2AC
NCBI Official Synonym Symbols	H2A; H2A/q; H2AFQ; H2A-GL101
NCBI Protein Information	histone H2A type 2-C; histone IIa; histone H2A/q; histone 2, H2ac; histone H2A-GL101; H2A histone family, member Q
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://www.aaabiotech.com/polyclonal/histone-h2a-antibody-western-blot-immunoblot-elisa/50455>