

Rabbit Histone H2A.Z Polyclonal Antibody | anti-H2A.Z antibody

Anti-Histone H2A.Z (Ack5) Antibody

CATALOG # AAA292815	HOST Rabbit	REACTIVITY Human, Mouse, Rat, Zebrafish, Monkey, Pig, Bovine, SARS, Dog	APPLICATIONS Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Western Blot
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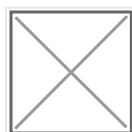
PRODUCT SYNONYMS

Histone H2A.Z; Polyclonal Antibody; Anti-Histone H2A.Z (Ack5) Antibody; H2AZ; H2A/z; anti-H2A.Z antibody

PRODUCT SPECIFICATIONS

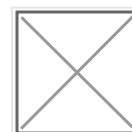
Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish, Monkey, Pig, Bovine, SARS, Dog
Clonality	Polyclonal
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Applicable Applications for anti-H2A.Z antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Function	Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post- translational modifications of histones, also called histone code, and nucleosome remodeling. May be involved in the formation of constitutive heterochromatin. May be required for chromosome segregation during cell division.
Cellular Location	Nucleus. Chromosome.
Preparation and Storage	Store at -20 °C. Stable for 12 months from date of receipt

IMAGES



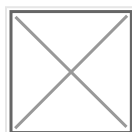
IF (Immunofluorescence)

Immunofluorescent analysis of Histone H2A.Z (Ack5) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



IHC (Immunohistochemistry)

Immunohistochemical analysis of Histone H2A.Z (Ack5) staining in human colon formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted



WB (Western Blot)

Western blot analysis of Histone H2A.Z (Ack4) expression in Hela (A), COS7 (B), MEF (C) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-H2A.Z antibody	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Histone H2A.Z. The exact sequence is proprietary.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504255
NCBI GeneID	3015
NCBI Accession #	NP_002097.1
NCBI GenBank Nucleotide #	NM_002106.3
UniProt Accession #	P0C0S5; P17317; Q6I9U0; B2RD56
NCBI Official Full Name	histone H2A.Z
NCBI Official Synonym Full Names	H2A histone family, member Z
NCBI Official Symbol	H2AFZ
NCBI Official Synonym Symbols	H2AZ; H2A.z; H2A/z; H2A.Z-1
NCBI Protein Information	histone H2A.Z; H2AZ histone
UniProt Protein Name	Histone H2A.Z
UniProt Gene Name	H2AFZ
UniProt Synonym Gene Names	H2AZ; H2A/z
UniProt Entry Name	H2AZ_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-h2az-antibody-immunohistochemistry-immunocytochemistry-immunofluorescence-western-blot-elisa/292815>