

Rabbit Histone H2A Polyclonal Antibody | anti-H2AFZ antibody

Histone H2A Antibody

CATALOG # AAA321269	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry
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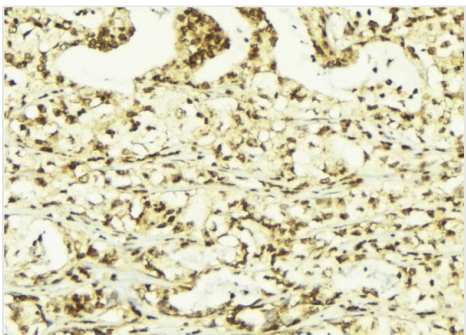
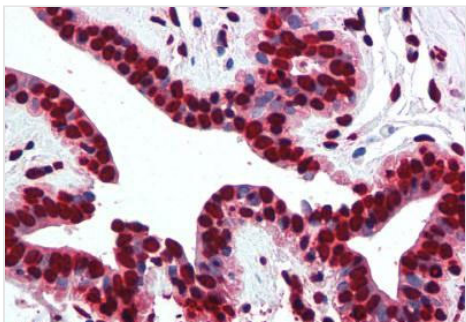
PRODUCT SYNONYMS

Histone H2A; Polyclonal Antibody; Histone H2A Antibody; H2A histone family member Z; H2A.z; H2A/z; H2afz; H2AZ; H2AZ_HUMAN; Histone H2A.Z; MGC117173; anti-H2AFZ antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Histone H2A antibody detects endogenous levels of Histone H2A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	128
Applicable Applications for anti-H2AFZ antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human Histone H2A
Subcellular Location	Nucleus. Chromosome.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA321269 at 1/100 staining human prostate cancer tissues sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hou

IHC (Immunohistochemistry)
AAA321269 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-H2AFZ antibody	Description: Variant histones H2A are synthesized throughout the cell cycle and are very different from classical S-phase regulated H2A. The exact function of variant histones H2A is not known. 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. Subunit Structure: The nucleosome is a histone octamer containing two molecules each of H2A, H2B, H3 and H4 assembled in one H3-H4 heterotetramer and two H2A-H2B heterodimers. The octamer wraps approximately 147 bp of DNA. H2A or its variant H2AFZ forms a heterodimer with H2B. H2AFZ interacts with INCENP (By similarity). Interacts (via M6 cassette) with ANP32E; leading to removal of H2A.Z/H2AFZ from the nucleosome. Heterodimer HIST1H2BJ and H2AFZ interacts with VPS72 (via N-terminal domain) (PubMed:26974126). Interacts with PWWP2A (PubMed:28645917). Post-translational Modifications: Monoubiquitination of Lys-122 gives a specific tag for epigenetic transcriptional repression. Acetylated on Lys-5, Lys-8 and Lys-12 during interphase. Acetylation disappears at mitosis (By similarity). Monomethylated on Lys-5 and Lys-8 by SETD6. SETD6 predominantly methylates Lys-8, lys-5 being a possible secondary site. Not phosphorylated. Similarity: Belongs to the histone H2A family.
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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
Molecular Weight	Observed: 14 kDa Predicted: 14 kDa
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

UniProt Protein Name	Histone H2A.Z
UniProt Gene Name	H2AFZ
UniProt Synonym Gene Names	H2AZ; H2A/z

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-immunohistochemistry-elisa/321269>