Rabbit anti-Human Acetyl-H2AFZ Polyclonal Antibody | anti-H2AFZ antibody

Acetyl-H2AFZ (K7) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234361	**Rabbit**	**Human**	**Chromatin Immunoprecipitation, Immunoprecipitation, Immunofluorescence, ELISA**

PRODUCT SYNONYMS

Acetyl-H2AFZ; Polyclonal Antibody; Acetyl-H2AFZ (K7) Antibody; Histone H2A.Z; H2A/z; H2AFZ; H2AZ; anti-H2AFZ antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	128
Applicable Applications for anti-H2AFZ antibody	ChIP (Chromatin immunoprecipitation), IF (Immunofluorescence), ELISA
Immunogen	Peptide sequence around site of acetyl-Lys (7) derived from human Histone H2A.Z.
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES

IF (Immunofluorescence)
Immunofluorescence staining of Hela cells with AAA234361 at 1:25, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C.The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG (H+L).

WB (Western Blot)
Western BlotPositive WB detected in: Hela whole cell lysate, HepG2 whole cell lysate, A549 whole cell lysate, K562 whole cell lysate(all treated by 30mM sodium butyrate for 4h)All lanes: H2AFZ antibody at 0.48ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 14 KDaObserved band size: 14 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-H2AFZ antibody	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.

Product Categories/Family for anti-H2AFZ antibody	Epigenetics and Nuclear Signaling

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	13,553 Da
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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