



# Histone H2A.Z (Acetyl Lys12) rabbit pAb

<b>Catalog No</b>	YP-Ab-00887
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB; ELISA
<b>Gene Name</b>	H2AFZ H2AZ
<b>Protein Name</b>	Histone H2A.Z (Acetyl Lys12)
<b>Immunogen</b>	Synthesized peptide derived from human Histone H2A.Z (Acetyl Lys12)
<b>Specificity</b>	This antibody detects endogenous levels of Human,Mouse,Rat Histone H2A.Z (Acetyl Lys12)
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:1000-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Histone H2A.Z (H2A/z)
<b>Observed Band</b>	15kD
<b>Cell Pathway</b>	Nucleus. Chromosome.
<b>Tissue Specificity</b>	
<b>Function</b>	DNA packaging, chromatin organization, chromatin assembly or disassembly, nucleosome assembly, chromatin assembly, cellular macromolecular complex subunit organization, cellular macromolecular complex assembly,nucleosome organization, macromolecular complex subunit organization, chromosome organization, macromolecular complex assembly, protein-DNA complex assembly,
<b>Background</b>	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.,mass spectrometry:Monoisotopic, not modified

PubMed:16457589,PTM:Acetylated on Lys-5, Lys-8 and Lys-12 during interphase. Acetylation disappears at mitosis.,PTM:Monoubiquitination of Lys-122 gives a specific tag for epigenetic transcriptional repression.,PTM:Not phosphorylated.,similarity:Belongs to the histone H2A family.,subunit: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 an heterodimer with H2B. H2AFZ interacts with INCENP.,

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images