

## Histone H2A.Z (Acetyl Lys12) Rabbit Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP10412
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human Histone H2A.Z (Acetyl Lys12)
<b>Mol wt</b>	14080
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Histone H2A.Z
<b>Synonyms</b>	Histone H2A.Z ;Acetyl Lys12; Histone H2A.Z; H2A/z

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

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.|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.|

### Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year