

# Histone H2A.Z (Acetyl Lys7) Rabbit pAb

CatalogNo: YK0203

Orthogonal Validated 

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- WB

### MW

- 14kD (Observed)

### Isotype

- IgG

## Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** PBS, pH 7.4, containing 0.5% BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

## Recommended Dilution Ratios

WB 1:500-1000

## Basic Information

**Clonality** Polyclonal

## Immunogen Information

**Immunogen** Synthetic Peptide of Histone H2A.Z (Acetyl Lys7)

**Specificity** The antibody detects endogenous Histone H2A.Z (Acetyl Lys7) protein.

## Target Information

**Gene name** H2AFZ

**Protein Name**

Histone H2A.Z

Organism	Gene ID	UniProt ID
Human	<a href="#">3015</a> ;	<a href="#">P0C0S5</a> ;
Mouse	<a href="#">51788</a> ;	<a href="#">P0C0S6</a> ;
Rat	<a href="#">58940</a> ;	<a href="#">P0C0S7</a> ;

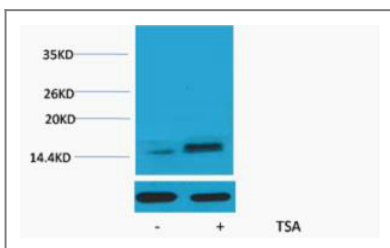
**Cellular Localization**

Nucleus. Chromosome.

**Tissue specificity** Brain,Epithelium,Skeletal muscle,Uterus,**Function**

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.,

## Validation Data



Western blot analysis of extracts from HeLa cells, untreated (-) or treated, 1:5000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

## Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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