

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	3015 ;	P0C0S5 ;
Mouse	51788 ;	P0C0S6 ;
Rat	58940 ;	P0C0S7 ;

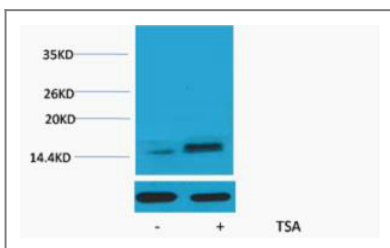
Cellular Localization

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, Invent biotech, MN, USA).

Contact information

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