

## Histone H2A.Z Antibody

Rabbit mAb  
Catalog # AP90527

### Specification

#### Histone H2A.Z Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	<a href="#">P0C0S5</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
HIST1H2AB; Histone H2A type 1-B/E; Histone H2A.2; Histone H2A/a; Histone H2A/m; H2AFM;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	13553 Da

#### Histone H2A.Z Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Histone H2A.Z
Description	Core component of nucleosome. 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

#### Histone H2A.Z Antibody - Protein Information

Name H2AZ1 ([HGNC:4741](#))

#### 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.

#### Cellular Location

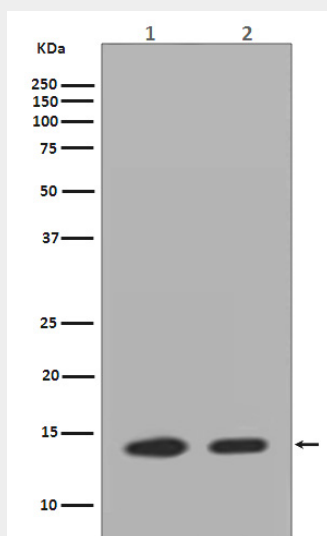
Nucleus. Chromosome.

#### Histone H2A.Z Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Histone H2A.Z Antibody - Images



Western blot analysis of Histone H2A.Z expression in (1)Neuro-2a cell lysate;(2)HeLa cell lysate.