

**Histone H2A.Z Antibody**  
Rabbit mAb  
Catalog # AP90527**Specification****Histone H2A.Z Antibody - Product Information**

Application	WB, IHC, ICC
Primary Accession	<a href="#">POC055</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**

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human Histone H2A.Z</b>
Description	<b>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.</b>
Storage Condition and Buffer	<b>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.</b>

**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

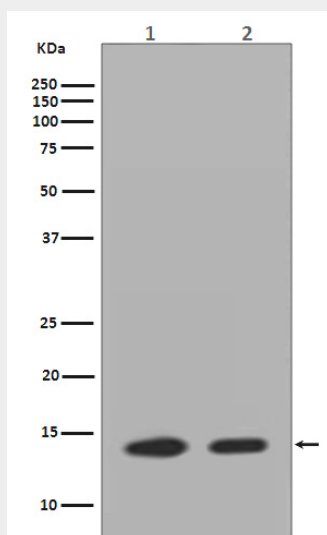
Nucleus. Chromosome.

#### 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.