

**Anti-Histone H2A.Z H2afz Rabbit Monoclonal Antibody**  
Catalog # ABO14148**Specification****Anti-Histone H2A.Z H2afz Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC
Primary Accession	<a href="#">POC055</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Histone H2A.Z H2afz Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

**Anti-Histone H2A.Z H2afz Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 3015

**Other Names**

Histone H2A.Z, H2A/z, H2AZ1 ([HGNC:4741](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=4741))

**Calculated MW**

14135 MW KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200

**Subcellular Localization**

Nucleus. Chromosome.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Histone H2A.Z

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

## Anti-Histone H2A.Z H2afz Rabbit Monoclonal 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

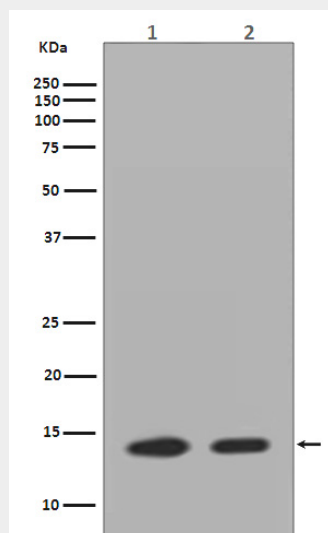
Nucleus. Chromosome.

## Anti-Histone H2A.Z H2afz Rabbit Monoclonal Antibody - Protocols

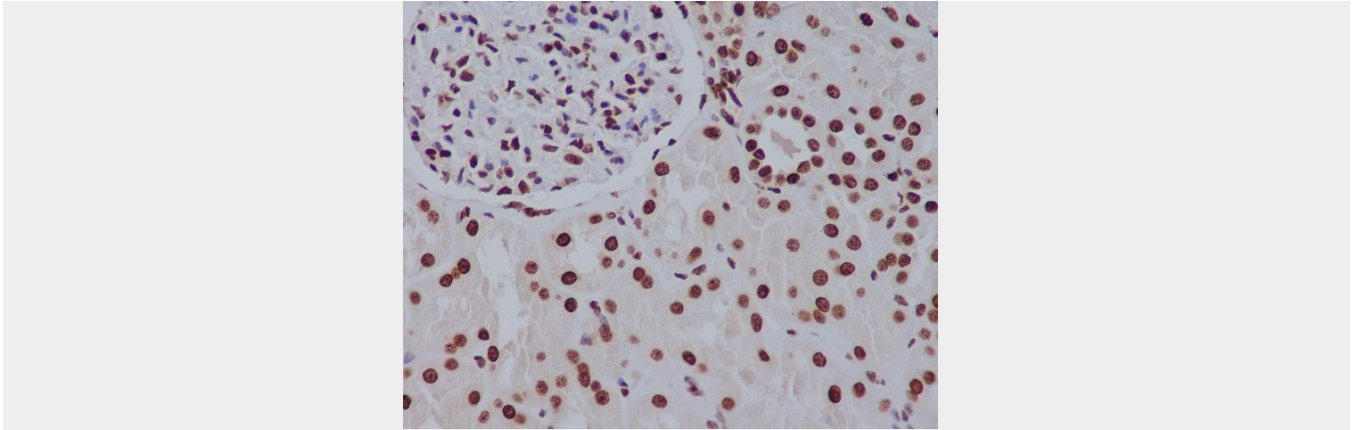
Provided below are standard protocols that you may find useful for product applications.

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

## Anti-Histone H2A.Z H2afz Rabbit Monoclonal Antibody - Images



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



Immunohistochemical analysis of paraffin-embedded human kidney, using Histone H2A.Z Antibody.