

**Anti-Histone H2A (AcK7) Antibody**  
Catalog # AP54109**Specification**

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**Anti-Histone H2A (AcK7) Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P0C0S5</a>
Other Accession	<a href="#">Q71UI9</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13553

**Anti-Histone H2A (AcK7) Antibody - Additional Information****Gene ID** 3015**Other Names**

H2AZ; Histone H2A.Z; H2A/z

**Target/Specificity**

Recognizes endogenous levels of Histone H2A with a site at AcK7 protein.

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-Histone H2A (AcK7) 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 (AcK7) 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 (AcK7) Antibody - Images**

## **Anti-Histone H2A (AcK7) Antibody - Background**

Rabbit polyclonal antibody to Histone H2A (AcK7)