

**Anti-Histone H2A (AcK9) Antibody**  
Rabbit polyclonal antibody to Histone H2A (AcK9)  
Catalog # AP61491

## Specification

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### Anti-Histone H2A (AcK9) Antibody - Product Information

Application	WB, E
Primary Accession	<a href="#">POC0S8</a>
Other Accession	<a href="#">P22752</a>
Reactivity	Human, Mouse, Rat, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14091

### Anti-Histone H2A (AcK9) Antibody - Additional Information

**Gene ID** 8329;8330;8332;8336;8969

#### Other Names

H2AFP; H2AFC; H2AFD; H2AFI; H2AFN; Histone H2A type 1; H2A.1; Histone H2A/p

#### Target/Specificity

Recognizes endogenous levels of Histone H2A with a site at AcK9 protein.

#### Dilution

WB~~WB (1/500 - 1/1000)

E~~WB (1/500 - 1/1000)

#### 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 (AcK9) Antibody - Protein Information

**Name** H2AC11 ([HGNC:4737](#))

**Synonyms** H2AFP, HIST1H2AG

#### Function

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.

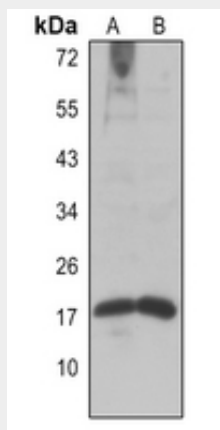
**Cellular Location**  
Nucleus. Chromosome.

### Anti-Histone H2A (AcK9) Antibody - Protocols

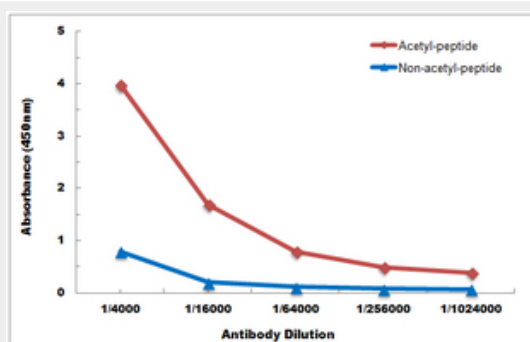
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-Histone H2A (AcK9) Antibody - Images



Western blot analysis of Histone H2A (AcK9) expression in HeLa (A), H446 (B) whole cell lysates.



Direct ELISA antibody dose-response curve using Anti-Histone H2A (AcK9) Antibody. Antigen (acetyl-peptide and non-acetyl-peptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

### Anti-Histone H2A (AcK9) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Histone H2A with a site at AcK9. The exact sequence is proprietary.