

**Histone H3 (acetyl K18) Antibody**  
Rabbit mAb  
Catalog # AP92648

**Specification**

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**Histone H3 (acetyl K18) Antibody - Product Information**

|                                     |                        |
|-------------------------------------|------------------------|
| Application                         | WB, IHC, FC, ICC       |
| Primary Accession                   | <a href="#">P68431</a> |
| Reactivity                          | Rat                    |
| Clonality                           | Monoclonal             |
| <b>Other Names</b>                  |                        |
| Histone H3.1, Histone H3, HIST1H3A; |                        |
| Isotype                             | Rabbit IgG             |
| Host                                | Rabbit                 |
| Calculated MW                       | 15404 Da               |

**Histone H3 (acetyl K18) Antibody - Additional Information**

|                              |  |
|------------------------------|--|
| Purification                 | Affinity-chromatography  |
| Immunogen                    | A synthesized peptide derived from Histone H3 (acetyl K18)   |
| Description                  | Belongs to the histone H3 family. 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 H3 (acetyl K18) Antibody - Protein Information**

**Name** H3C1 ([HGNC:4766](#))

**Synonyms** H3FA, HIST1H3A

**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.

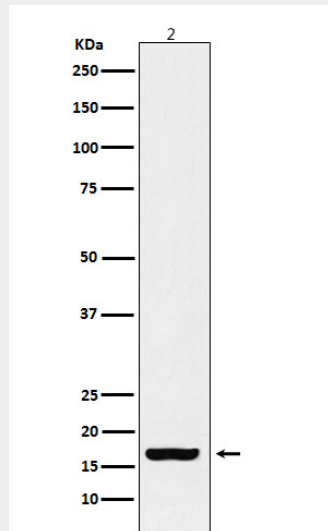
**Cellular Location**  
Nucleus. Chromosome.

### **Histone H3 (acetyl K18) 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 H3 (acetyl K18) Antibody - Images**



Western blot analysis of Histone H3 (acetyl K18) expression in HeLa cell treated with TSA cell lysate.