

**Histone H3 Antibody**  
Rabbit mAb  
Catalog # AP91018

## Specification

---

### Histone H3 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 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Histone H3
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 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.

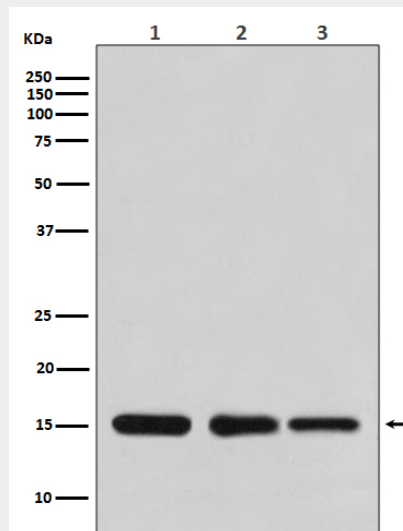
**Cellular Location**  
Nucleus. Chromosome.

### Histone H3 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 Antibody - Images



Western blot analysis of Histone H3 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) Rat brain lysate.