

**Phospho-Histone H3 (S28) Antibody**  
Rabbit mAb  
Catalog # AP93219

### Specification

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#### Phospho-Histone H3 (S28) Antibody - Product Information

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

#### Phospho-Histone H3 (S28) Antibody - Additional Information

|                              |   |
|------------------------------|---|
| Purification                 | Affinity-chromatography   |
| Immunogen                    | A synthesized peptide derived from human Phospho-Histone H3 (S28)   |
| Description                  | Variant histone H3 which replaces conventional H3 in a wide range of nucleosomes in active genes. Constitutes the predominant form of histone H3 in non-dividing cells and is incorporated into chromatin independently of DNA synthesis. |
| 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.   |

#### Phospho-Histone H3 (S28) 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.

## **Phospho-Histone H3 (S28) 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](#)

## **Phospho-Histone H3 (S28) Antibody - Images**