

# Histone H3 (di methyl K4) Antibody

Rabbit mAb

Catalog # AP93203

## Product Information

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

## Additional Information

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|-------------------------------------|--|
| <b>Dilution</b>                     | WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200   |
| <b>Purification</b>                 | Affinity-chromatography  |
| <b>Immunogen</b>                    | A synthesized peptide derived from human Histone H3 (di methyl K4)   |
| <b>Description</b>                  | 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. |
| <b>Storage Condition and Buffer</b> | 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.  |

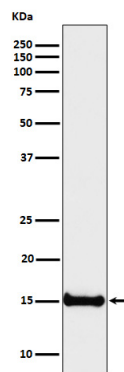
## Protein Information

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|--------------------------|--|
| <b>Name</b>              | H3C1 ( <a href="#">HGNC:4766</a> )   |
| <b>Synonyms</b>          | H3FA, HIST1H3A   |
| <b>Function</b>          | 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. |
| <b>Cellular Location</b> | Nucleus. Chromosome.   |

## Images

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Western blot analysis of Histone H3 (di methyl K4) expression in HeLa cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.