

**Histone H3 (mono methyl K18) Antibody**  
**Rabbit mAb**  
**Catalog # AP90487****Specification**

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**Histone H3 (mono methyl K18) Antibody - Product Information**

|   |                        |
|---|------------------------|
| Application   | WB, IHC, ICC           |
| Primary Accession                                       | <a href="#">P68431</a> |
| Reactivity  | Rat                    |
| Clonality   | Monoclonal             |
| <b>Other Names</b>                                      |                        |
| H3 histone; HIST1H3A; Histone cluster 1, H3a; H3K18me1; |                        |
| Isotype   | Rabbit IgG             |
| Host  | Rabbit                 |
| Calculated MW   | 15404 Da               |

**Histone H3 (mono methyl K18) Antibody - Additional Information**

|                              |  |
|------------------------------|--|
| Dilution                     | WB~~1:1000<br>IHC~~1:100~500<br>ICC~~N/A   |
| Purification                 | Affinity-chromatography  |
| Immunogen                    | A synthesized peptide derived from human Histone H3 (mono methyl K18)  |
| Description                  | H3 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. The nucleosome is a histone octamer containing two molecules each of H2A, H2B, H3 and H4 assembled in one H3-H4 heterotetramer and two H2A-H2B heterodimers. |
| 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 (mono methyl 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**

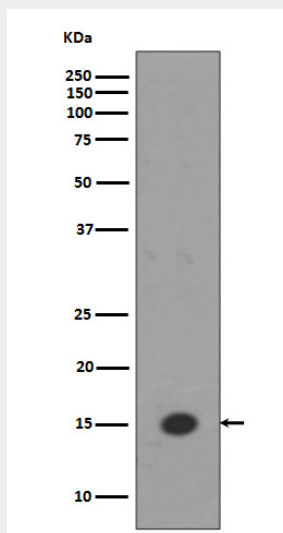
Nucleus. Chromosome.

**Histone H3 (mono methyl 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 (mono methyl K18) Antibody - Images**



Western blot analysis of Histone H3 (mono methyl K18) expression in HeLa cell lysate.