

**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**

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

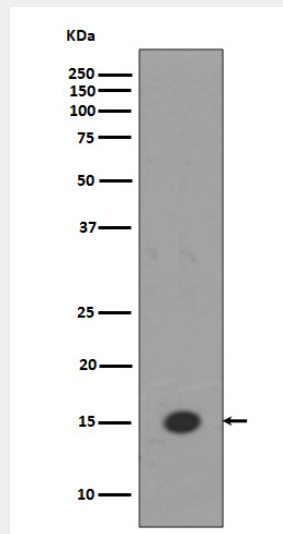
Nucleus. Chromosome.

## 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.