10320 Camino Santa Fe, Suite G
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Histone H3 (mono methyl K18) Antibody
Rabbit mAb
Catalog # AP90487

Specification

Histone H3 (mono methyl K18) Antibody - Product Information

Application	**WB, IHC, ICC**
Primary Accession	P68431
Reactivity	**Rat**
Clonality	**Monoclonal**

Other Names
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** **IHC~~1:100~500** **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

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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.

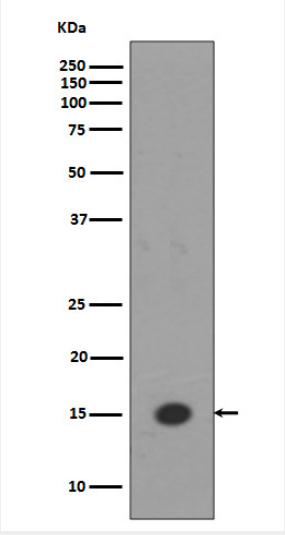
Cellular Location
Nucleus. Chromosome.

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 Cytomety
- Cell Culture

Histone H3 (mono methyl K18) Antibody - Images



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