

Histone H3 (mono methyl K14) Antibody Rabbit mAb Catalog # AP93202

Specification

Histone H3 (mono methyl K14) Antibody - Product Information

Application Primary Accession Clonality **Other Names** Histone H3.1, Histone H3, HIST1H3A; WB, FC, ICC <u>P68431</u> Monoclonal

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	15404 Da

Histone H3 (mono methyl K14) Antibody - Additional Information

Purification Immunogen	Affinity-chromatography A synthesized peptide derived from human Histone H3 (mono methyl K14)
Description	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.
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 K14) Antibody - Protein Information

Name H3C1 (<u>HGNC:4766</u>)

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



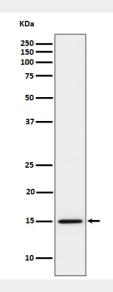
Nucleus. Chromosome.

Histone H3 (mono methyl K14) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Histone H3 (mono methyl K14) Antibody - Images



Western blot analysis of Histone H3 (mono methyl K14) expression in HeLa cell lysate.