

Histone H3 (acetyl K14) Antibody

Rabbit mAb Catalog # AP90315

Specification

Histone H3 (acetyl K14) Antibody - Product Information

WB, IHC, ICC, IP Application

Primary Accession P68431 Reactivity Rat

Monoclonal Clonality

Other Names

H3 histone family, member A; H3/A; H3FA; H3FA; H3FB; H3FC; H3FD; H3FF; H3FH; H3FI; H3FJ; H3FK; H3FL; HIST1H3A; HIST1H3B; HIST1H3C; HIST1H3D; HIST1H3E; HIST1H3F; HIST1H3G; HIST1H3H; HIST1H3I; HIST1H3J; histone 1, H3a; histone cluster 1, H3a; Histone H3.1;

Rabbit IgG Isotype Host **Rabbit** Calculated MW 15404 Da

Histone H3 (acetyl K14) Antibody - Additional Information

Purification **Affinity-chromatography**

Immunogen A synthesized peptide derived from human

Histone H3 (acetyl K14)

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 (acetyl 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

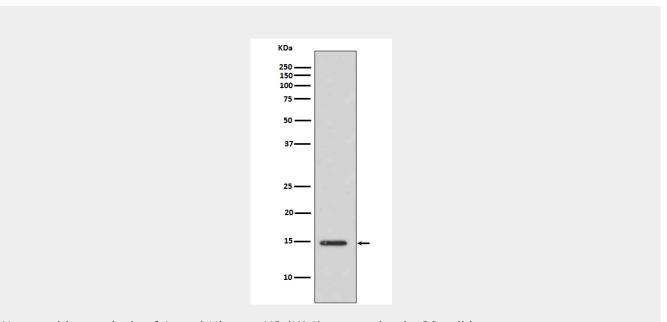
Nucleus. Chromosome.

Histone H3 (acetyl K14) 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 (acetyl K14) Antibody - Images



Western blot analysis of Acetyl-Histone H3 (K14) expression in C6 cell lysate.