10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KD-Validated Anti-Histone H3 (acetyl K18) Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1444

Specification

KD-Validated Anti-Histone H3 (acetyl K18) Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC**
Primary Accession	P68431
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 15 kDa , observed, 17 kDa KDa**
Gene Name	**H3C1**
Aliases	**H3C1; H3 Clustered Histone 1; HIST1H3A; H3/A; H3FA; Histone Cluster 1 H3 Family Member A; H3 Histone Family, Member A; Histone Cluster 1, H3a; Histone 1, H3a; Histone H3.1; Histone H3/A; H3FC HIST1H3C; Histone H3/B; Histone H3/C; Histone H3/D; Histone H3/F; Histone H3/H; Histone H3/I; Histone; H3/J; Histone H3/K; Histone H3/L; HIST1H3B; HIST1H3D; HIST1H3E; HIST1H3F; HIST1H3G; HIST1H3H; HIST1H3I; HIST1H3J; H3C10; H3C11; H3C12; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FL; H3FB; H3FD; H3FI; H3FH; H3FK; H3FF; H3FJ**
Immunogen	**A synthesized peptide derived from human Histone H3 (acetyl K18)**

KD-Validated Anti-Histone H3 (acetyl K18) Rabbit Monoclonal Antibody - Additional Information

Gene ID	**8350;8351;8352;8353;8354;8355;8356;8357;8358;8968**

Other Names
Histone H3.1, Histone H3/a, Histone H3/b, Histone H3/c, Histone H3/d, Histone H3/f, Histone H3/h, Histone H3/i, Histone H3/j, Histone H3/k, Histone H3/l, H3C1 (HGNC:4766), H3FA, HIST1H3A

KD-Validated Anti-Histone H3 (acetyl K18) Rabbit Monoclonal Antibody - Protein Information

Name H3C1 (HGNC:4766)

Synonyms H3FA, HIST1H3A

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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.

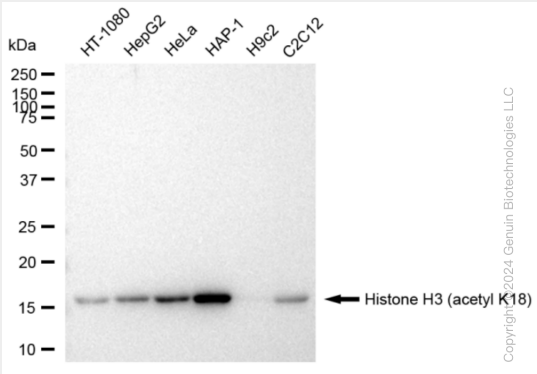
Cellular Location
Nucleus. Chromosome.

KD-Validated Anti-Histone H3 (acetyl K18) Rabbit Monoclonal Antibody - Protocols

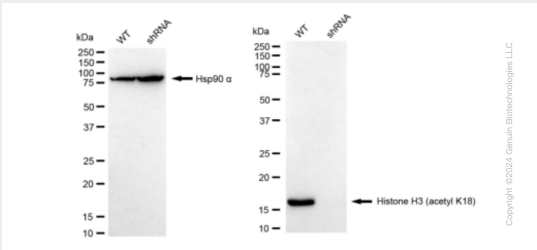
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-Histone H3 (acetyl K18) Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Histone H3 (acetyl K18) antibody (Cat#AGI1444). Total cell lysates (5 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Histone H3 (acetyl K18) antibody (Cat#AGI1444, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Histone H3 (acetyl K18) antibody (Cat#AGI1444). Histone H3 (acetyl K18) expression in wild type (WT) and Histone H3 (acetyl K18) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was

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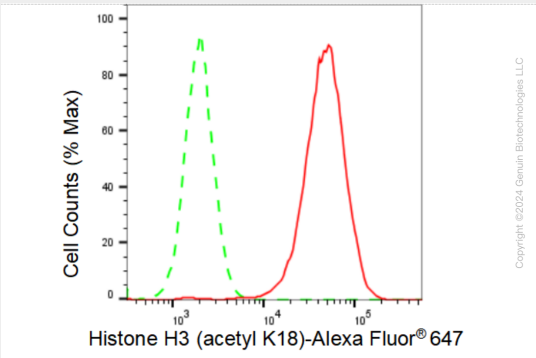
incubated with anti-Histone H3 (acetyl K18) antibody (Cat#AGI1444, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Histone H3 (acetyl K18) expression in HAP-1 cells using Histone H3 (acetyl K18) antibody (Cat#AGI1444, 1:2,000). Green, isotype control; red, Histone H3 (acetyl K18).