

# Anti-Histone H3 (acetyl K19) Recombinant Rabbit Monoclonal Antibody



**Catalog #: 4622**

## 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

## Background

Gene Name: H3C1

NCBI Gene Entry: [8350](#)

UniProt Entry: [P68431](#)

## Application Information

Molecular Weight: Predicted, 15 kDa; observed, 17 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB12120

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human Histone H3 (acetyl K18)

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

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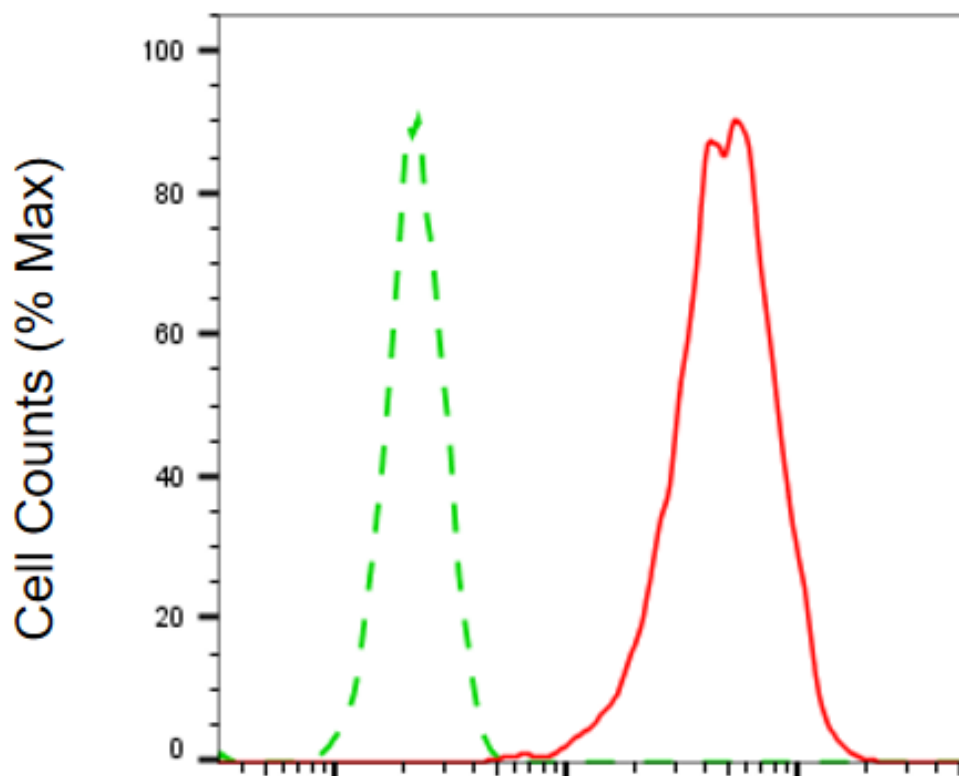
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Immunocytochemistry (IC): 1:100-1:1,000

**Note:** This product is for research use only.

## Validation Data



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## Histone H3 (acetyl K18)-Alexa Fluor® 647

Flow cytometric analysis of Histone H3 (acetyl K18) expression in HAP-1 cells using anti-Histone H3 (acetyl K18) antibody (Cat#4622, 1:2,000). Green, isotype control; red, Histone H3 (acetyl K18).

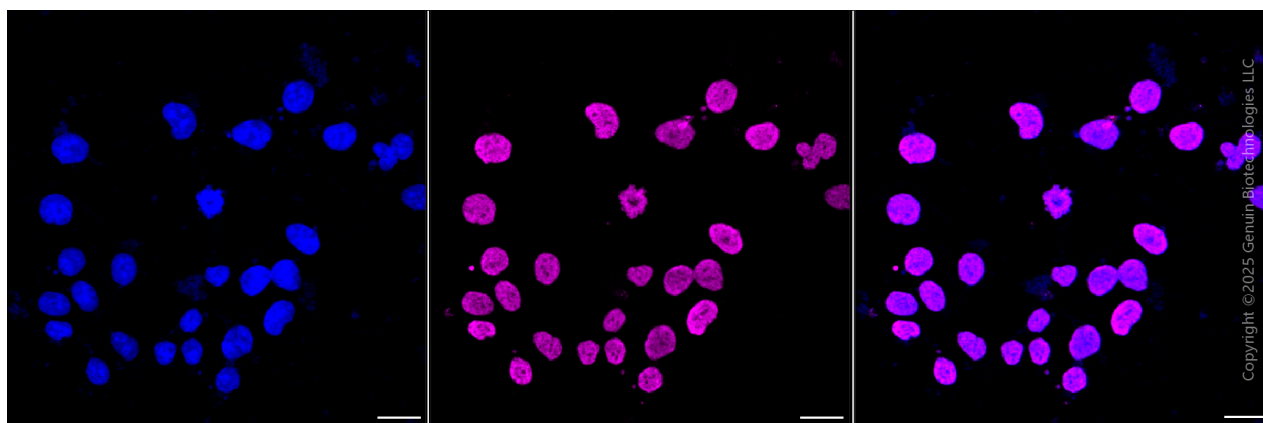
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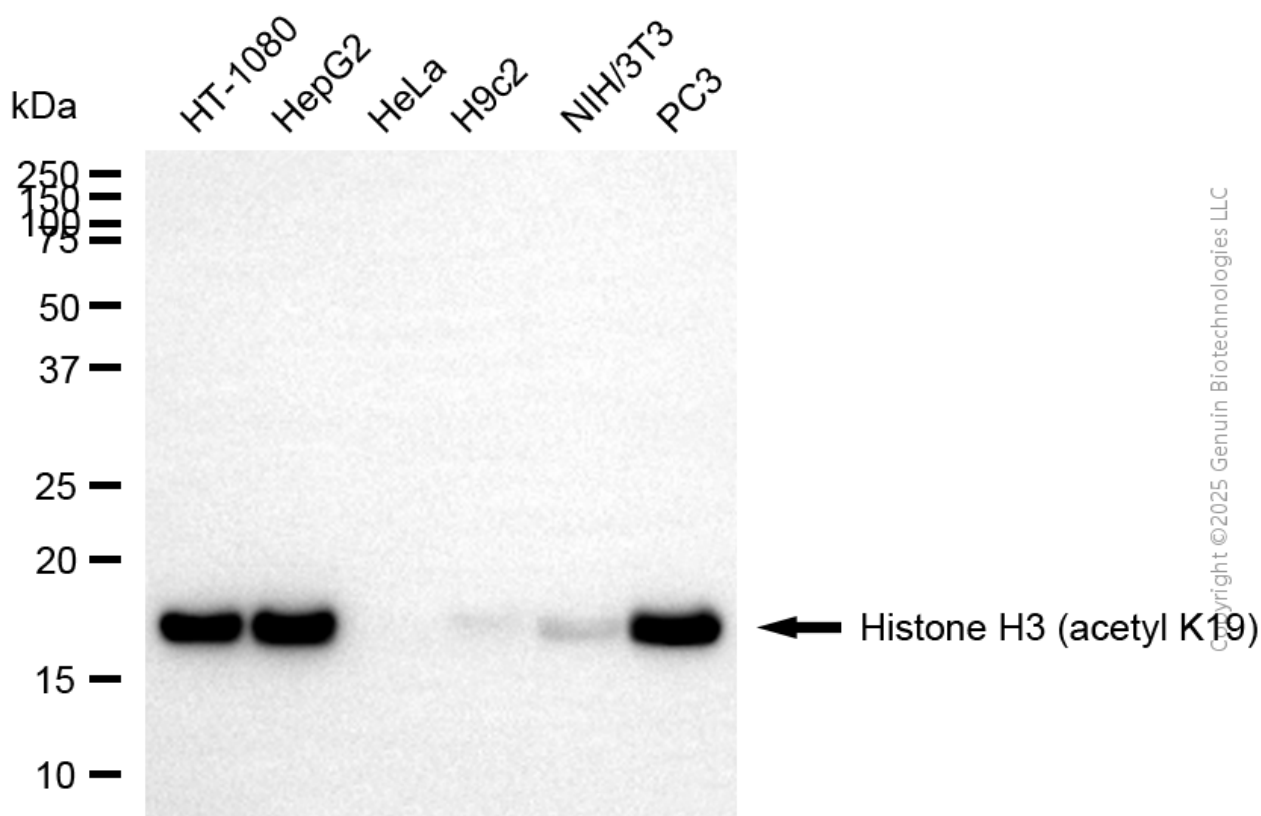
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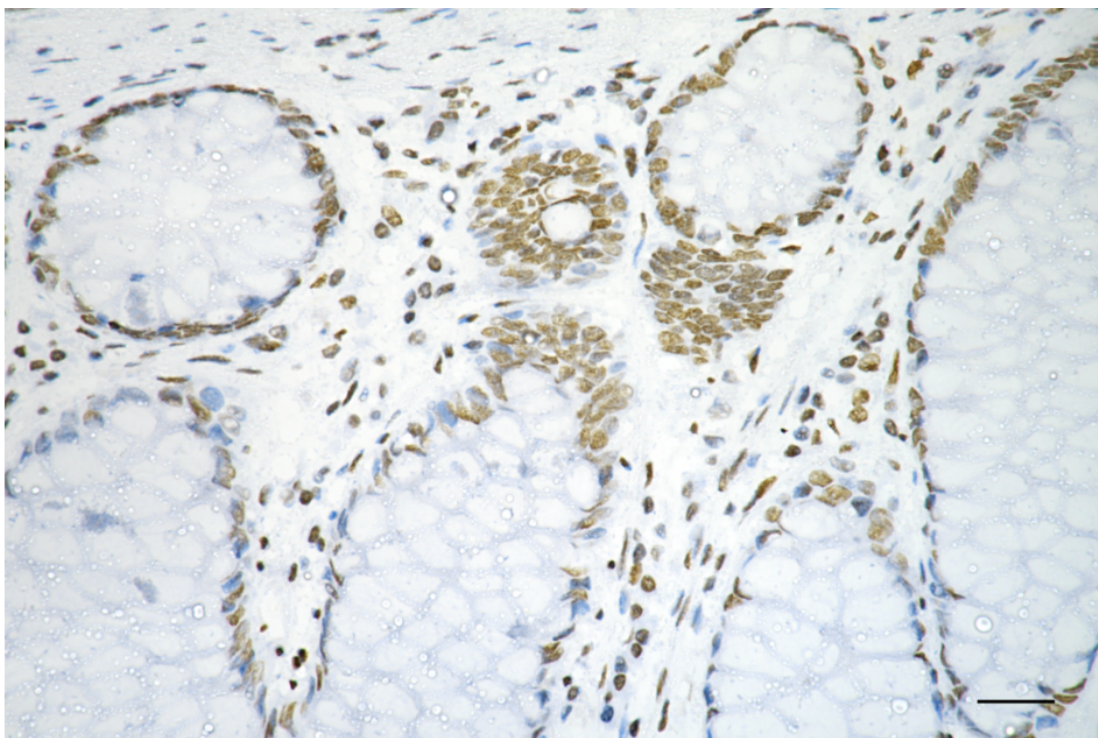
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Immunocytochemical staining of HAP-1 cells with anti-Histone H3 (acetyl K18) antibody (Cat#4622, 1:1,000). Nuclei were stained blue with DAPI; Histone H3 (acetyl K18) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20  $\mu$ m.



Western blotting analysis using anti-histone H3 (acetyl K19) antibody (Cat#4622). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-histone H3 (acetyl K19) antibody (Cat#4622, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



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Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using anti-histone H3 (acetyl K19) antibody (Cat#4622, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25  $\mu$ m.