

# Acetyl-Histone H4-K8 Rabbit mAb

Catalog No.: A26921 **Recombinant** **1 Publications**

## Basic Information

### Observed MW

11 kDa

### Calculated MW

11 kDa

### Category

Primary antibody

### Applications

WB, IP, IHC-P, DB, ChIP, ELISA

### Cross-Reactivity

Human, Mouse, Rat, Other (Wide Range Predicted)

### CloneNo number

ARC70730

## Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.

## Recommended Dilutions

**WB** 1:12000 - 1:72000**IP** 0.5 µg-4 µg antibody for 400 µg-800 µg extracts of whole cells**IHC-P** 1:1000 - 1:10000**DB** 1:500 - 1:2000**ChIP** 3 µg antibody for 10 µg-15 µg of Chromatin**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements

## Immunogen Information

### Gene ID

8359

### Swiss Prot

P62805

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4FA; H4-16; H4C11; H4C12; H4C13; H4C14; H4C15; H4C16; HIST1H4A

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Contact

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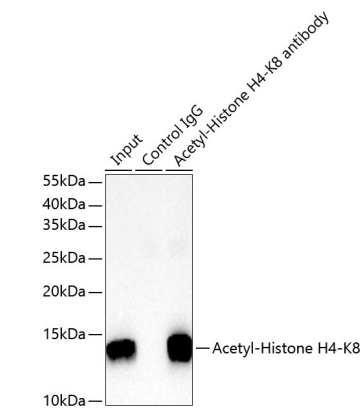
☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

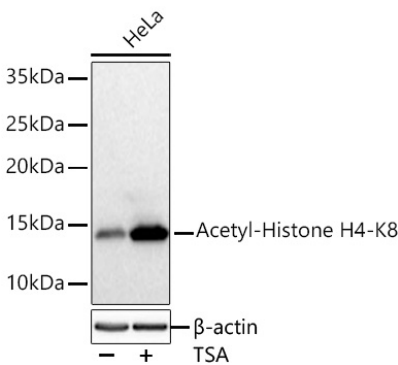
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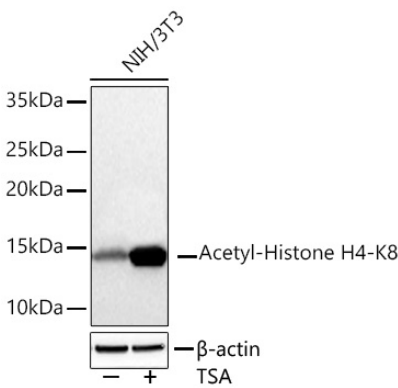
Validation Data



Immunoprecipitation of Acetyl-Histone H4-K8 from 600 µg extracts of HeLa cells treated with TSA (1µM, 18h) was performed using 2 µg of Acetyl-Histone H4-K8 Rabbit mAb (A26921). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at a dilution of 1:5000.

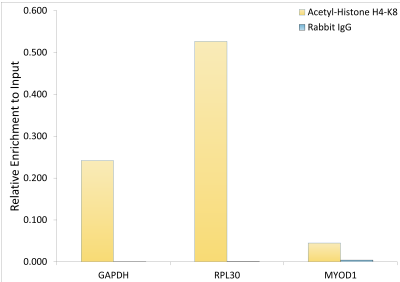
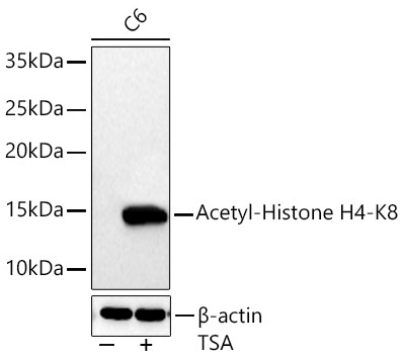


Western blot analysis of lysates from HeLa cells using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at 1:12000 dilution incubated overnight at 4°C. HeLa cells were treated with TSA (1 µM) at 37°C for 18 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.



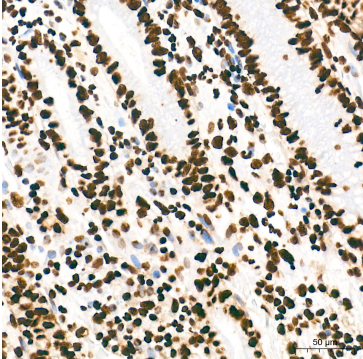
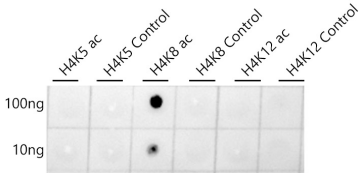
Western blot analysis of lysates from NIH/3T3 cells using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at 1:12000 dilution incubated overnight at 4°C. NIH/3T3 cells were treated with TSA (1 µM) at 37°C for 18 hours. Secondary antibody: ( ) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.

Validation Data



Western blot analysis of lysates from C6 cells using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at 1:12000 dilution incubated overnight at 4°C. C6 cells were treated with TSA (1 μM) at 37°C for 18 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.

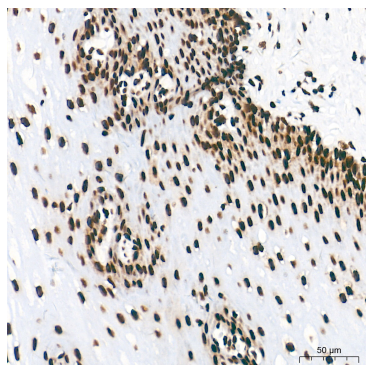
Chromatin immunoprecipitation was performed with 10 μg of cross-linked chromatin from HeLa, using 3 μg of Acetyl-Histone H4-K8 Rabbit mAb (A26921) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.



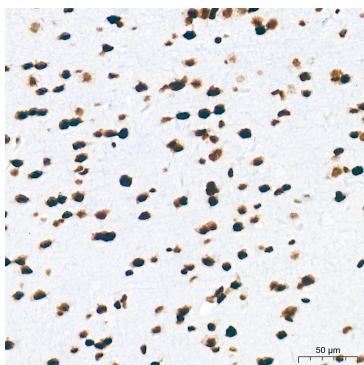
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



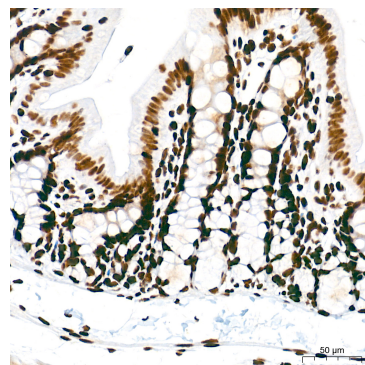
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.