A26921

Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Acetyl-Histone H4-K8 Rabbit mAb

Catalog No.: A26921 Recombinant

Basic Information

Observed MW
11kDa

Calculated MW
11kDa

Category
SMab Recombinant Monoclonal Antibody

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

Cross-Reactivity
Human,Mouse,Rat,Other (Wide Range Predicted)

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

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

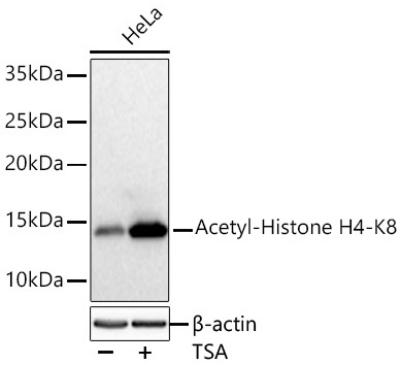
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

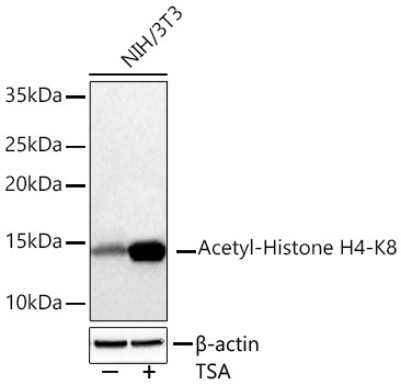
Contact

www.abclonal.com

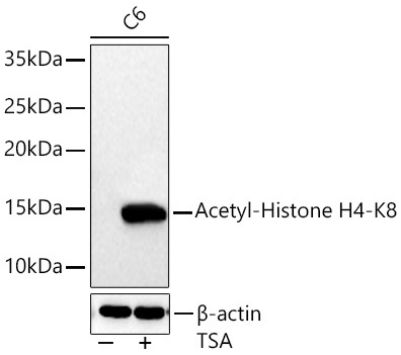
Validation Data



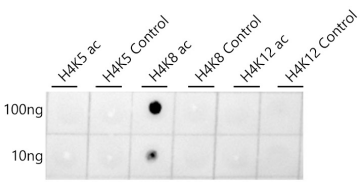
Western blot analysis of lysates from HeLa cells using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at 1:12000 dilution incubated overnight at 4℃. HeLa cells were treated with TSA (1 μM) at 37℃ for 18 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: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



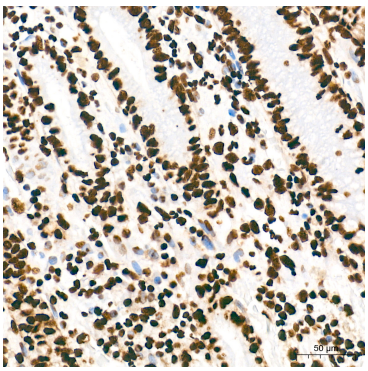
Western blot analysis of lysates from NIH/3T3 cells using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at 1:12000 dilution incubated overnight at 4℃. NIH/3T3 cells were treated with TSA (1 μM) at 37℃ for 18 hours.
Secondary antibody: () at 1:10000 dilution.
Lysates/proteins: 30 μg per lane.
Blocking buffer: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



Western blot analysis of lysates from C6 cells using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at 1:12000 dilution incubated overnight at 4℃. C6 cells were treated with TSA (1 μM) at 37℃ 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.



Dot-blot analysis of all sorts of



Immunohistochemistry analysis of

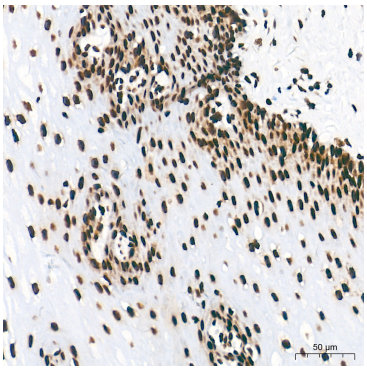
Immunohistochemistry analysis of

Validation Data

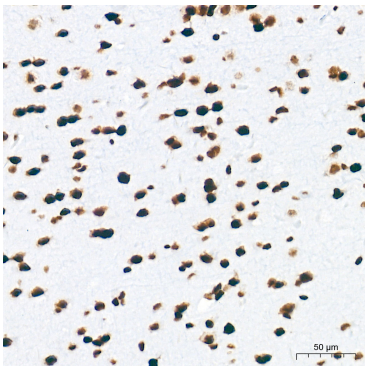
peptides using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at 1:1000 dilution.

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.

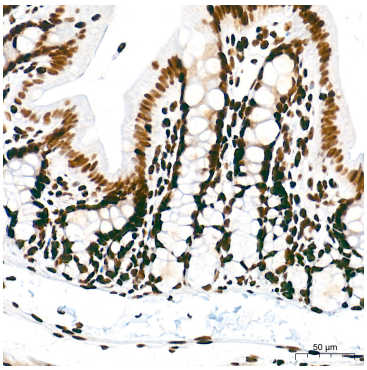
paraffin-embedded Human colon carcinoma tissue using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at a dilution of 1 : 6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



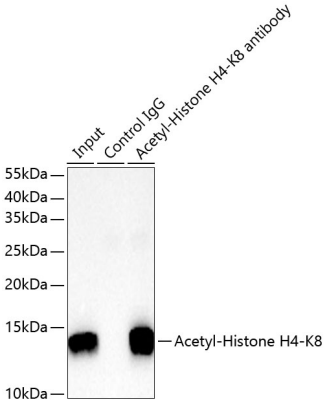
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at a dilution of 1 : 6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



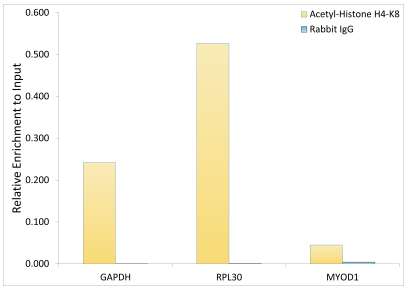
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Acetyl-Histone H4-K8 Rabbit mAb (A26921) at a dilution of 1 : 6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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.



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.



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.