

Acetyl-Histone H4-K5 Rabbit mAb

Catalog No.: A19525 **Recombinant** **1 Publications**

Basic Information

Observed MW

11kDa

Calculated MW

11kDa

Category

Primary antibody

Applications

ELISA,DB,WB,IHC-P,IF/ICC

Cross-Reactivity

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


CloneNo number

ARC0002

Recommended Dilutions

DB	1:500 - 1:1000
WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin 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; instead, they contain a palindromic termination element.

Immunogen Information

Gene ID

8359

Swiss Prot

P62805

Immunogen

A synthetic acetylated peptide around K5 of human Histone H4 (P62805).

Synonyms

H4/p; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4-16; H4C11; H4C12; H4C13; H4C14; H4C15; HIST4H4; Acetyl-Histone H4-K5

Product Information

Source

Rabbit

Isotype

IgG

Purification

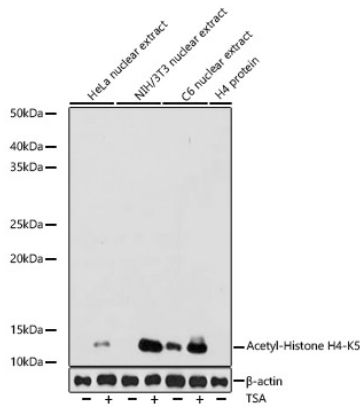
Affinity purification

Storage

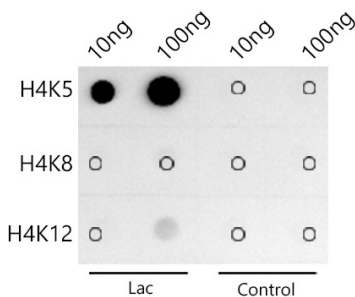
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

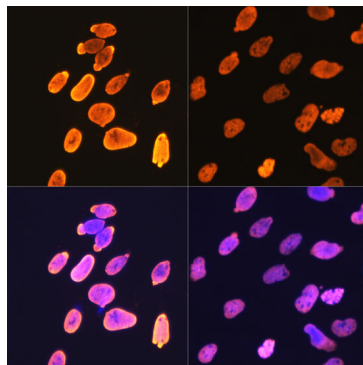
Validation Data



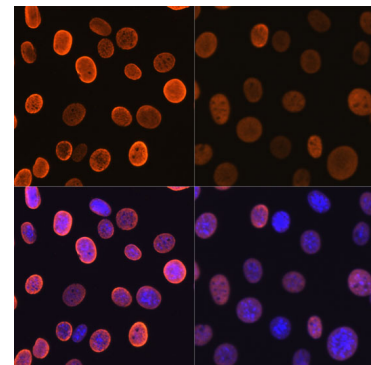
Western blot analysis of various lysates using Acetyl-Histone H4-K5 Rabbit mAb (A19525) at 1:1000 dilution. HeLa cells and NIH/3T3 cells and C6 cells were treated by TSA (1 μ M) at 37°C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



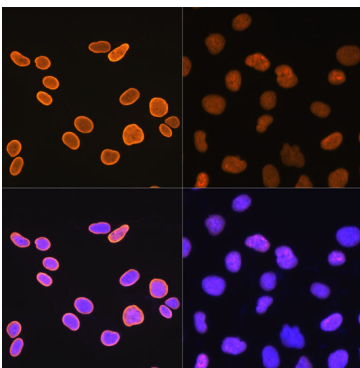
Dot-blot analysis of all sorts of peptides using Acetyl-Histone H4-K5 antibody (A19525) at 1:1000 dilution.



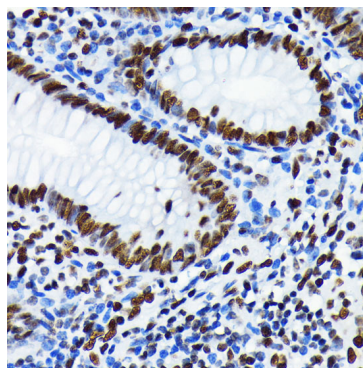
Immunofluorescence analysis of C6 cells using Acetyl-Histone H4-K5 Rabbit mAb (A19525). C6 cells were treated by TSA (1 μ M) at 37°C for 18 hours (left). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



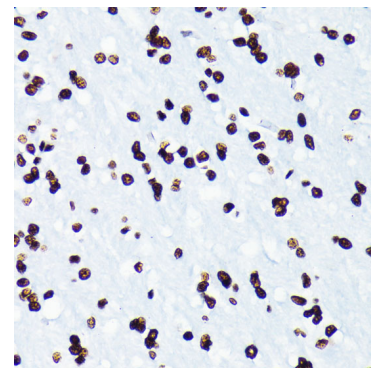
Immunofluorescence analysis of NIH-3T3 cells using Acetyl-Histone H4-K5 Rabbit mAb (A19525). NIH-3T3 cells were treated by TSA (1 μ M) at 37°C for 18 hours (left). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using Acetyl-Histone H4-K5 Rabbit mAb (A19525). U-2 OS cells were treated by TSA (1 μ M) at 37°C for 18 hours (left). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

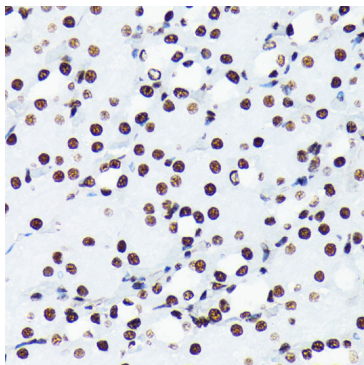


Immunohistochemistry analysis of paraffin-embedded Human appendix using Acetyl-Histone H4-K5 Rabbit mAb (A19525) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using Acetyl-Histone H4-K5 Rabbit mAb (A19525) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using Acetyl-Histone H4-K5 Rabbit mAb (A19525) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.