

A19525

Leader in Biomolecular Solutions for Life Science



Acetyl-Histone H4-K5 Rabbit mAb

Catalog No.: A19525

Recombinant

3 Publications

Basic Information

Observed MW

11kDa

Calculated MW

11kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

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

Cross-Reactivity

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

CloneNo number

ARC0002

Recommended Dilutions

WB 1:500 - 1:1000

DB 1:500 - 1:1000

IHC-P 1:50 - 1:200

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

 www.abclonal.com

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

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

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

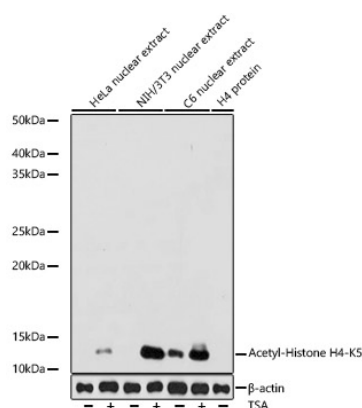
Purification
Affinity purification

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 with TSA (1 μ M) at 37°C for 18 hours.

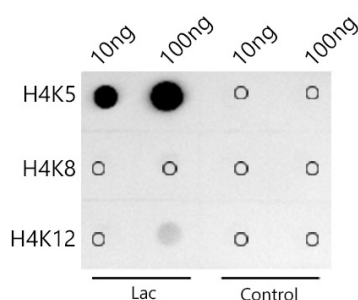
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

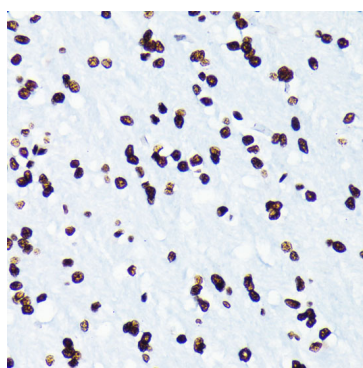
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

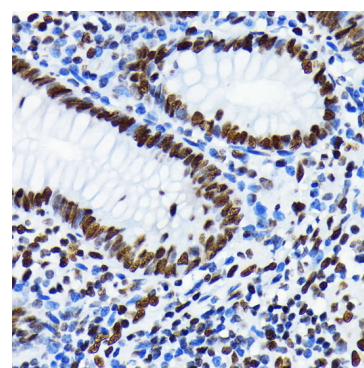
Exposure time: 10s.



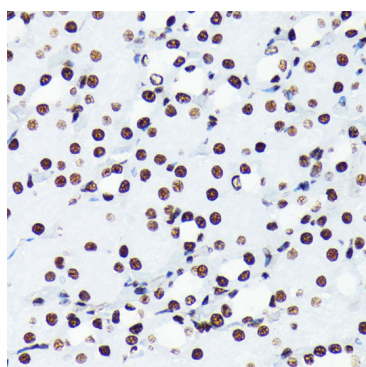
Dot-blot analysis of all sorts of peptides using Acetyl-Histone H4-K5 antibody (A19525) at 1:1000 dilution.



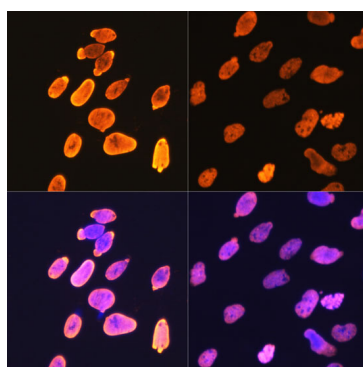
Immunohistochemistry analysis of paraffin-embedded Rat brain using Acetyl-Histone H4-K5 Rabbit mAb (A19525) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



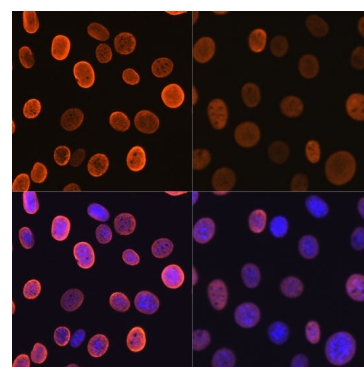
Immunohistochemistry analysis of paraffin-embedded Human appendix using Acetyl-Histone H4-K5 Rabbit mAb (A19525) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded 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.

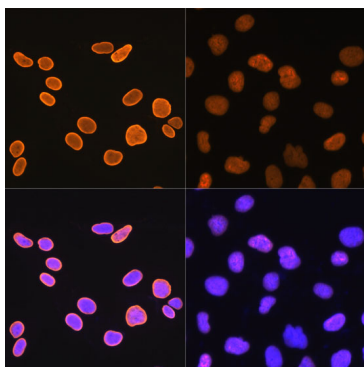


Immunofluorescence analysis of C6 cells using Acetyl-Histone H4-K5 Rabbit mAb (A19525). C6 cells were treated with TSA (1 μ M) at 37°C for 18 hours (left). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



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

Validation Data



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