A19525

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Acetyl-Histone H4-K5 Rabbit mAb

Catalog No.: A19525 Recombinant 1 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

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.

Recommended Dilutions

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

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

Contact

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Product Information

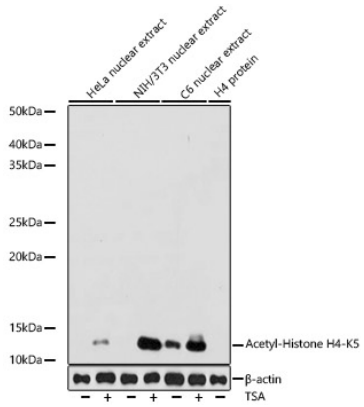
Source
Rabbit

Isotype
IgG

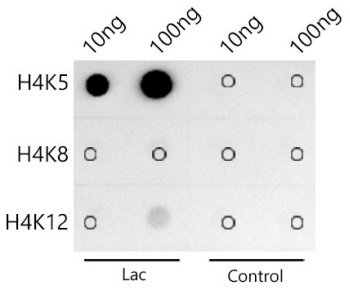
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

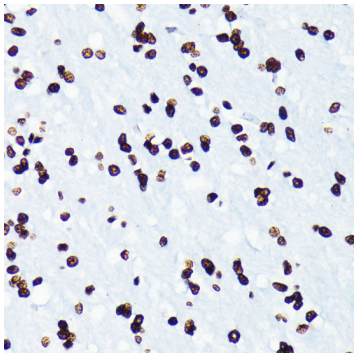
Validation Data



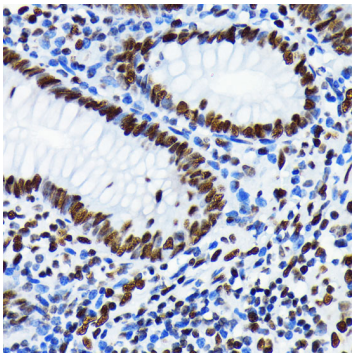
Western blot analysis of various lysates using Acetyl-Histone H4-K5 Rabbit mAb (A19525) at 1:1000 dilution.HeLa cells and NIH/3T3 cells and C6 cells were treated by TSA (1 uM) at 37℃ for 18 hours.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per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



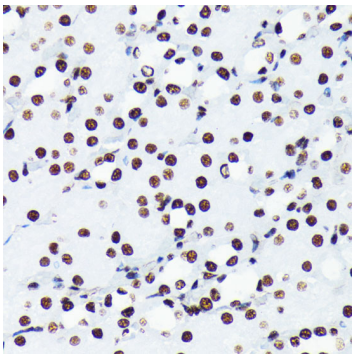
Dot-blot analysis of all sorts of peptides using Acetyl-Histone H4-K5 antibody (A19525) at 1:1000 dilution.



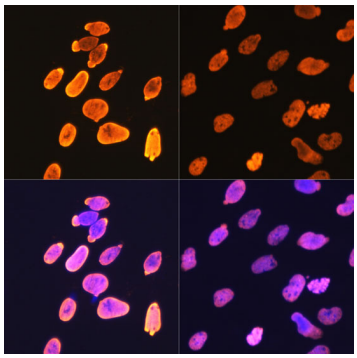
Immunohistochemistry analysis of Acetyl-Histone H4-K5 in paraffin-embedded rat brain using Acetyl-Histone H4-K5 Rabbit mAb (A19525) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



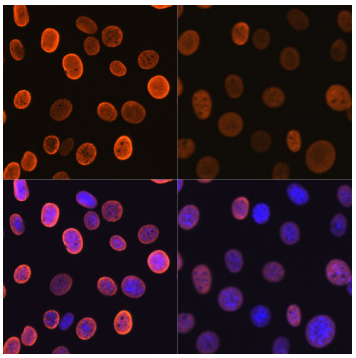
Immunohistochemistry analysis of Acetyl-Histone H4-K5 in paraffin-embedded human appendix using Acetyl-Histone H4-K5 Rabbit mAb (A19525) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Acetyl-Histone H4-K5 in paraffin-embedded mouse kidney using Acetyl-Histone H4-K5 Rabbit mAb (A19525) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

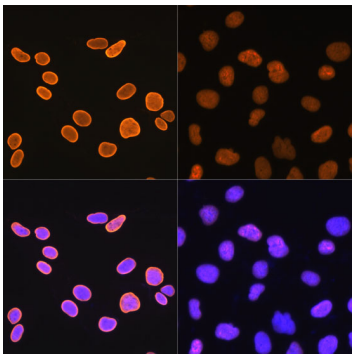


Immunofluorescence analysis of C6 cells using Acetyl-Histone H4-K5 Rabbit mAb (A19525).C6 cells were treated by TSA (1 uM) at 37℃ for 18 hours(left). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



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