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Acetyl-Histone H4-K16 Rabbit mAb

Catalog No.: A23091 Recombinant 1 Publications

Basic Information

Observed MW
11kDa

Calculated MW
11kDa

Category
Primary antibody

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

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

CloneNo number
ARC55790

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

DB	1:100 - 1:500
WB	1:2000-1:9000
IHC-P	1:1000 - 1:5000
ChIP	5μg antibody for 5μg-10μg of Chromatin

Immunogen Information

Gene ID
8359/8370

Swiss Prot
P62805

Immunogen
A synthetic acetylated peptide around K16 of human Histone H4 (NP_003529.1).

Synonyms
H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4FA; H4-16; H4C11; H4C12; H4C13; H4C14; H4C15; H4C16; HIST1H4A; Acetyl-Histone H4-K16

Contact

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Product Information

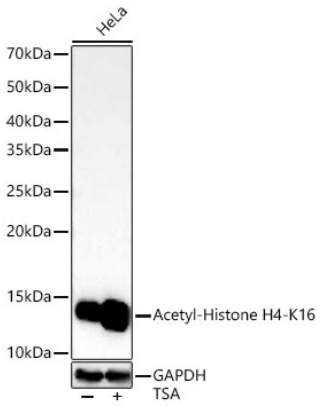
Source
Rabbit

Isotype
IgG

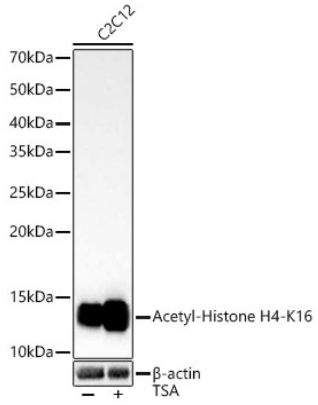
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

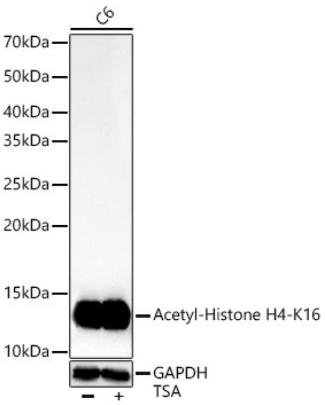
Validation Data



Western blot analysis of lysates from HeLa cells, using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at 1:8000 dilution.HeLa 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: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

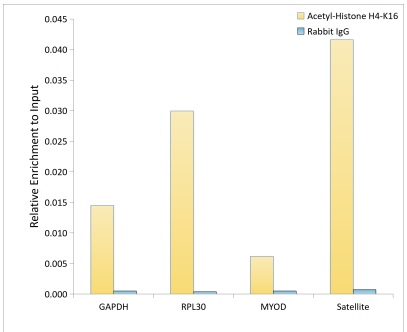


Western blot analysis of lysates from C2C12 cells, using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at 1:8000 dilution.C2C12 cells were treated by TSA (1 uM) at 37℃ for 18 hours.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

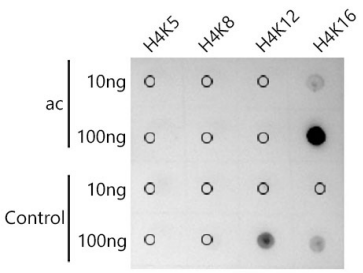


Western blot analysis of lysates from C6 cells, using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at 1:8000 dilution.C6 cells were treated by TSA (1 uM) at 37℃ for 18 hours.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

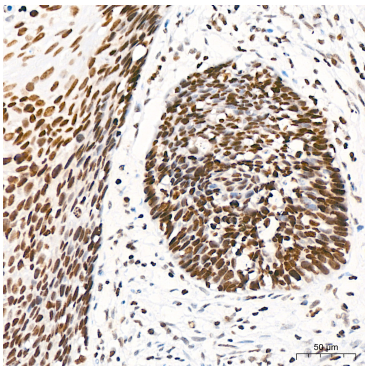
Validation Data



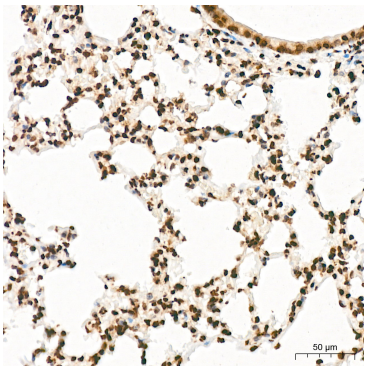
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H4-K16 antibody (A23091) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



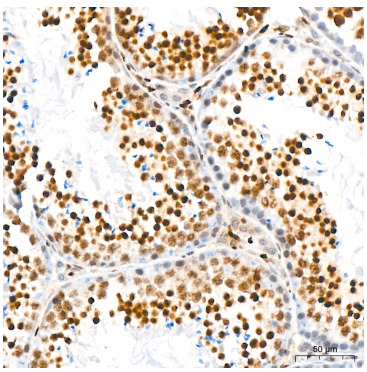
Dot-blot analysis of all sorts of peptides using Acetyl-Histone H4-K16 antibody (A23091) at 1:500 dilution.



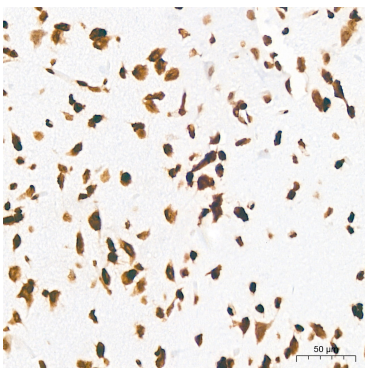
Immunohistochemistry analysis of Acetyl-Histone H4-K16 in paraffin-embedded human cervix cancer tissue using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at a dilution of 1:1200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



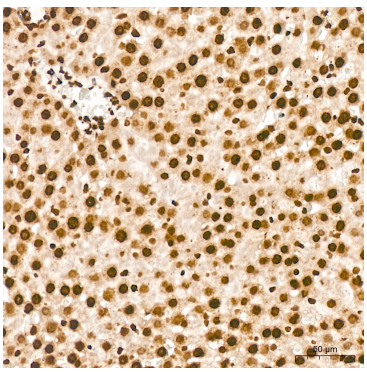
Immunohistochemistry analysis of Acetyl-Histone H4-K16 in paraffin-embedded mouse lung tissue using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at a dilution of 1:1200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Acetyl-Histone H4-K16 in paraffin-embedded mouse testis tissue using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at a dilution of 1:1200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

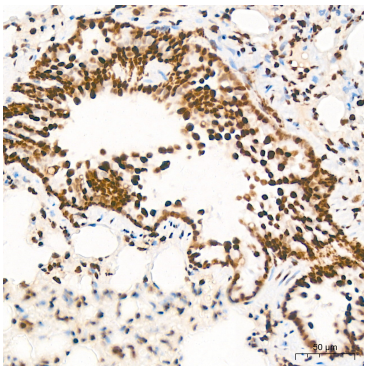


Immunohistochemistry analysis of Acetyl-Histone H4-K16 in paraffin-embedded rat brain tissue using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at a dilution of 1:1200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Acetyl-Histone H4-K16 in paraffin-embedded rat liver tissue using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at a dilution of 1:1200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of Acetyl-Histone H4-K16 in paraffin-embedded rat lung tissue using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at a dilution of 1:1200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.