

Acetyl-Histone H4-K16 Rabbit mAb

Catalog No.: A23091 Recombinant 3 Publications

Basic Information

Observed MW

11 kDa

Calculated MW

11 kDa

Category

Primary antibody

Applications

WB, DB, IHC-P, ELISA, ChIP

Cross-Reactivity

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

Clone/No. 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

WB 1:10000-1:40000

DB 1:100 - 1:500

IHC-P 1:2000 - 1:8000

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

ChIP 5µg antibody for 5µg-10µg of Chromatin

Immunogen Information

Gene ID

8359/8370

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; Acetyl-Histone H4-K16

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

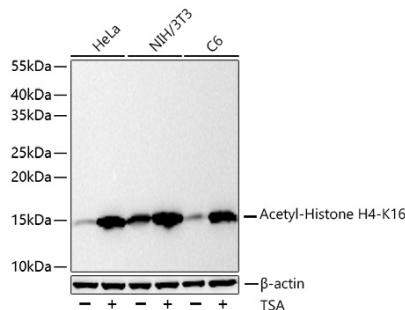
Affinity purification

Storage

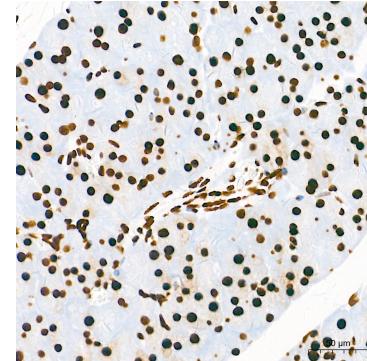
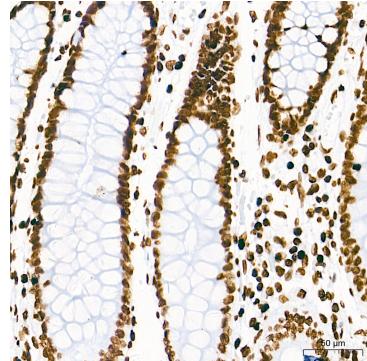
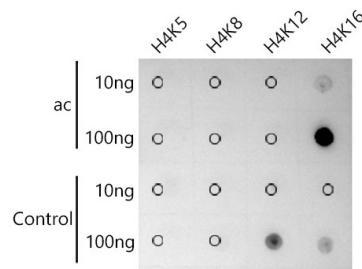
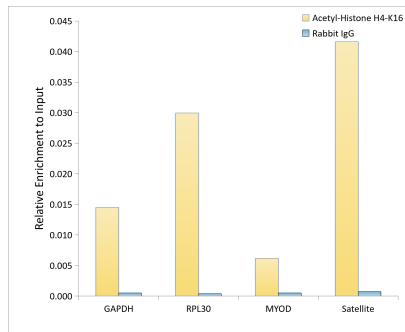
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at 1:20000 dilution incubated overnight at 4°C. HeLa cells, 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: 30 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10 s.

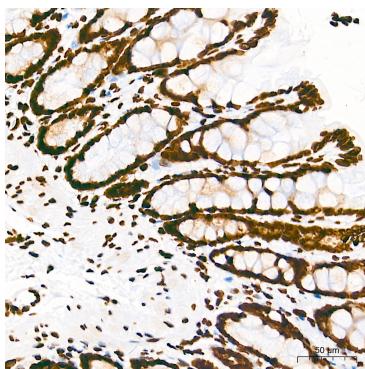


Dot-blot analysis of all sorts of peptides using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at 1:500 dilution.

Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at a dilution of 1:5000 (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 pancreas tissue using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using Acetyl-Histone H4-K16 Rabbit mAb (A23091) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.