

Acetyl-Histone H4-K12 Rabbit Polyclonal Antibody

CAB14227



Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

11kDa

Calculated MW:

11kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat, Other
(Wide Range)

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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.

Immunogen information

Gene ID:

8366

Uniprot

P62805

Synonyms:

HIST1H4B; H4/I; H4FI; histone H4; Histone H4; HIST1H4A;
HIST2H4A; FO108; H4; H4/n; H4F2; H4FN; HIST2H4

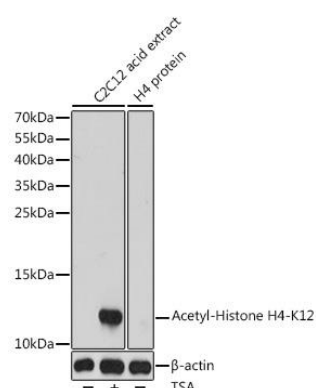
Immunogen:

A synthetic acetylated peptide around K12 of human Histone H4 (NP_001029249.1).

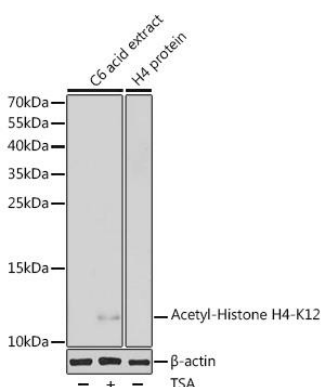
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

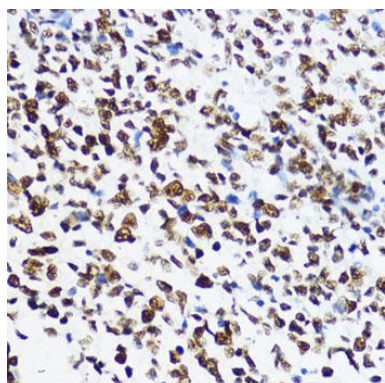
Product Images



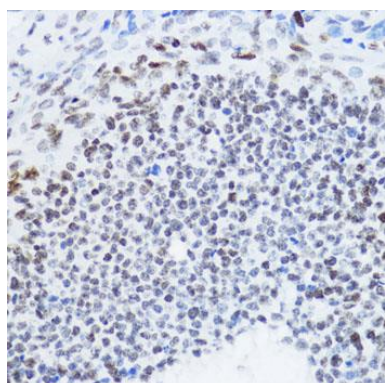
Western blot analysis of extracts of C2C12 cells, using Acetyl-Histone H4-K12 antibody (CAB14227) at 1:1000 dilution. C2C12 cells were treated by TSA (1 μ M) at 37°C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.



Western blot analysis of extracts of C6 cells, using Acetyl-Histone H4-K12 antibody (CAB14227) at 1:1000 dilution. C6 cells were treated by TSA (1 μ M) at 37°C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.



Immunohistochemistry of paraffin-embedded human appendix using Acetyl-Histone H4-K12 antibody (CAB14227) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded rat ovary using Acetyl-Histone H4-K12 antibody (CAB14227) at dilution of 1:200 (40x lens).