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Acetyl-Histone H4-K12 Rabbit pAb

Catalog No.: A14227 2 Publications

Basic Information

Observed MW
11kDa

Calculated MW
11kDa

Category
Primary antibody

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

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

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	1:500 - 1:2000
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 K12 of human Histone H4 (NP_001029249.1).

Synonyms
H4/I; H4C1; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4FI; H4-16; H4C11; H4C12; H4C13; H4C14; H4C15; H4C16; HIST1H4B; Acetyl-Histone H4-K12

Contact

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Product Information

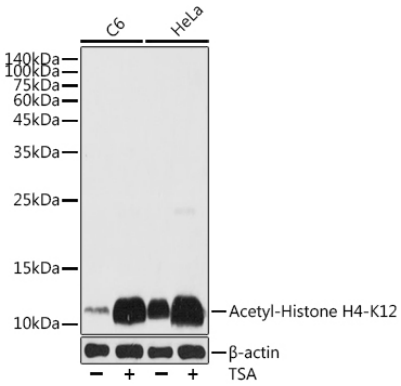
Source
Rabbit

Isotype
IgG

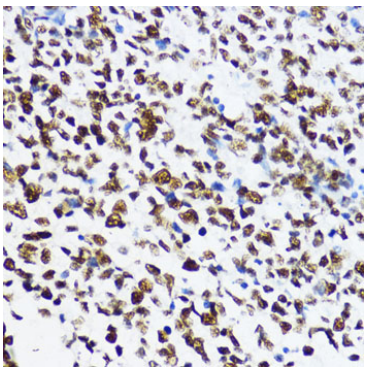
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

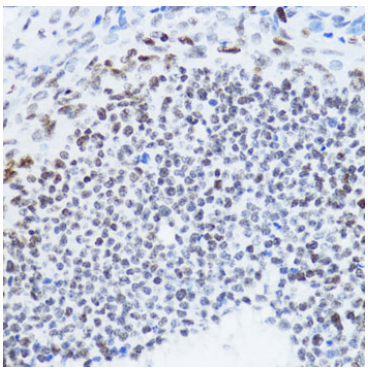
Validation Data



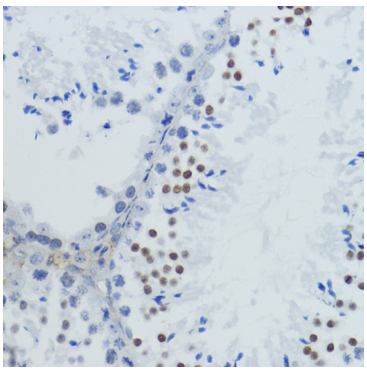
Western blot analysis of various lysates using Acetyl-Histone H4-K12 Rabbit pAb (A14227) at 1:500 dilution.HeLa cells and C6 cells were treated by TSA (1 uM) at 37℃ for 18 hours.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



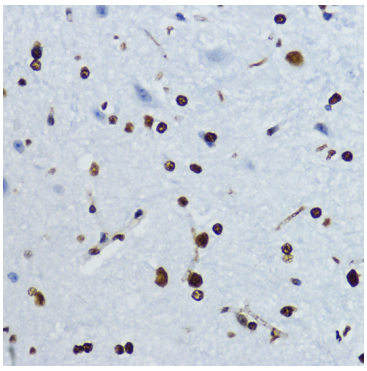
Immunohistochemistry analysis of Acetyl-Histone H4-K12 in paraffin-embedded human appendix using Acetyl-Histone H4-K12 Rabbit pAb (A14227) at dilution of 1:200 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



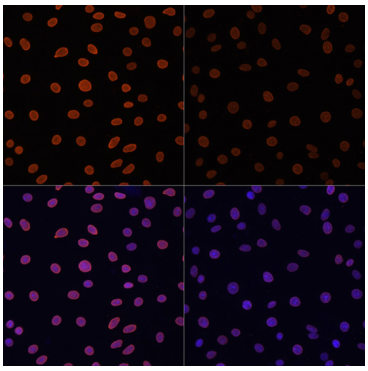
Immunohistochemistry analysis of Acetyl-Histone H4-K12 in paraffin-embedded rat ovary using Acetyl-Histone H4-K12 Rabbit pAb (A14227) at dilution of 1:200 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



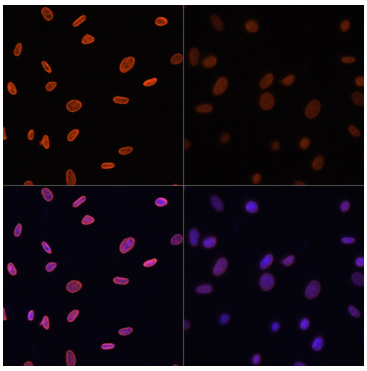
Immunohistochemistry analysis of Acetyl-Histone H4-K12 in paraffin-embedded mouse testis using Acetyl-Histone H4-K12 Rabbit pAb (A14227) at dilution of 1:200 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Acetyl-Histone H4-K12 in paraffin-embedded mouse spinal cord using Acetyl-Histone H4-K12 Rabbit pAb (A14227) at dilution of 1:200 (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-K12 Rabbit pAb (A14227) at dilution of 1:100.C6 cells were treated by TSA (1 uM) at 37℃ for 18 hours. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H4-K12 Rabbit pAb (A14227) at dilution of 1:100.NIH/3T3 cells were treated by TSA (1 uM) at 37℃ for 18 hours. Blue: DAPI for nuclear staining.