Acetyl-Histone H2A-K5 Rabbit Polyclonal Antibody

CAB15620

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

14kDa

Calculated MW:

14kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat, Other (Wide Range)

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000 IHC 1:50 - 1:100 IF 1:50 - 1:100

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 H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3.

Immunogen information

Gene ID:
8329

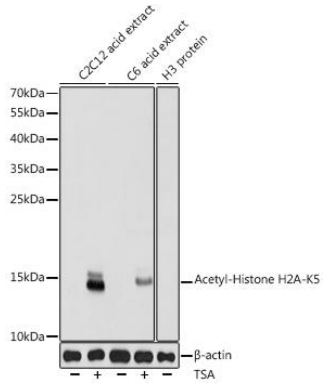
Uniprot
P0C0S8

Synonyms:
HIST1H2AI; H2A/c; H2AFC

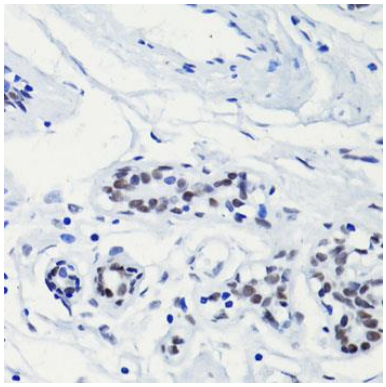
Immunogen:
A synthetic acetylated peptide around K5 of human Histone H2A (NP_003508.1).

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

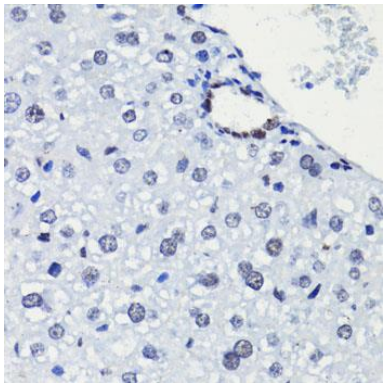
Product Images



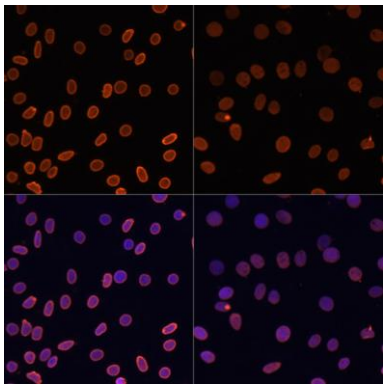
Western blot analysis of extracts of various cell lines, using Acetyl-Histone H2A-K5 antibody (CAB15620) at 1:1000 dilution.C2C12 cells and C6 cells were treated by TSA (1 uM) at 37'C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Immunohistochemistry of paraffin-embedded human breast using H2AK5ac antibody (CAB15620) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse liver using H2AK5ac antibody (CAB15620) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of C6 cells using Acetyl-Histone H2A-K5 antibody (CAB15620) at dilution of 1:100.C6 cells were treated by TSA (1 uM) at 37'C for 18 hours. Blue: DAPI for nuclear staining.

