

A15620

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Acetyl-Histone H2A-K5 Rabbit pAb

Catalog No.: A15620

Basic Information

Observed MW

14kDa

Calculated MW

14kDa

Category

Polyclonal Antibody

Applications

WB,IF/ICC,ELISA

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 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.

Recommended Dilutions

WB 1:500 - 1:1000

IF/ICC 1:50 - 1:100

Immunogen Information

Gene ID

3012/8329

Swiss Prot

P04908/POC0S8

Immunogen

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

Synonyms

H2A/c; H2AFC; H2AC11; H2AC15; H2AC16; H2AC17; HIST1H2AI; Acetyl-Histone H2A-K5

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

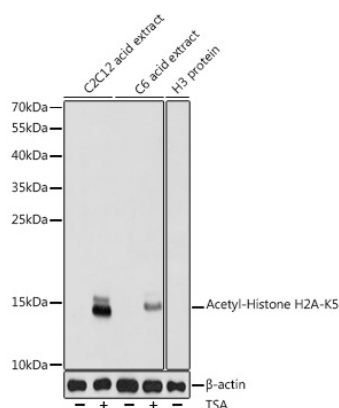
Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of various lysates using Acetyl-Histone H2A-K5 Rabbit pAb (A15620) at 1:1000 dilution. C2C12 cells and C6 cells were treated by TSA (1 μ M) at 37°C for 18 hours.

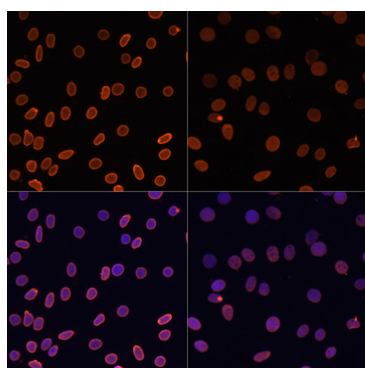
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

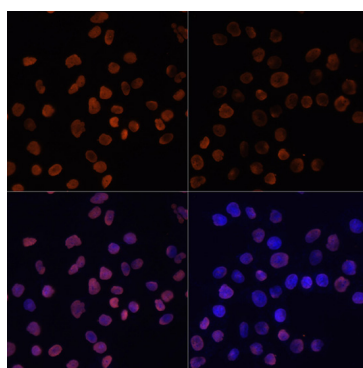
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Immunofluorescence analysis of C6 cells using Acetyl-Histone H2A-K5 Rabbit pAb (A15620) at dilution of 1:100. C6 cells were treated by TSA (1 μ M) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using Acetyl-Histone H2A-K5 Rabbit pAb (A15620) at dilution of 1:100. HeLa cells were treated by TSA (1 μ M) at 37°C for 18 hours. Blue: DAPI for nuclear staining.