

## Acetyl-Histone H2A-K5 polyclonal antibody

Catalog: BS74027      Host: Rabbit      Reactivity: Human, Mouse, Rat, Other (Wide Range)

### 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.

### Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

14kDa

### Swiss-Prot:

P0C0S8

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB, 1:500 - 1:2000 | IF/ICC, 1:50 - 1:100

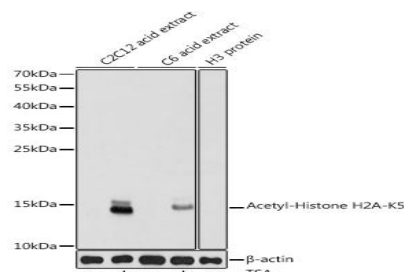
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

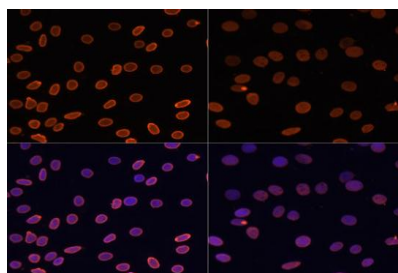
### Category:

Acetylated Antibodies

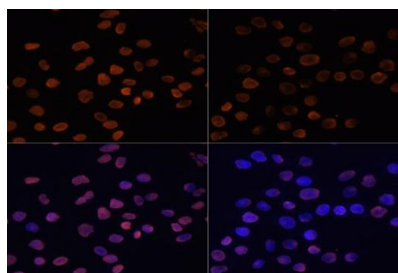
### DATA:



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



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



Immunofluorescence analysis of HeLa cells using Acetyl-Histone H2A-K5 antibody at dilution of 1:100. HeLa cells were treated by TSA at 37 °C for 18 hours. Blue: DAPI for nuclear staining.

### Note:

For research use only, not for use in diagnostic procedure.

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## PRODUCT DATA SHEET

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