

## Acetyl-Histone H3-K4 polyclonal antibody

Catalog: BS74030

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. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

### Product:

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

### Molecular Weight:

15kDa/17kDa

### Swiss-Prot:

Q16695

### 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 | ChIP, 1:50 - 1:200

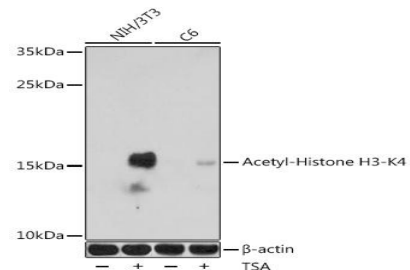
### Storage&Stability:

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

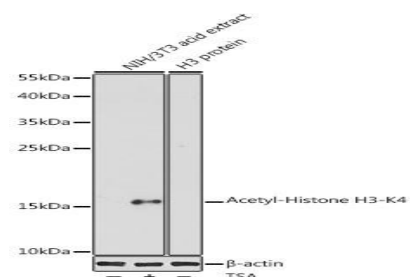
### Category:

Acetylated Antibodies

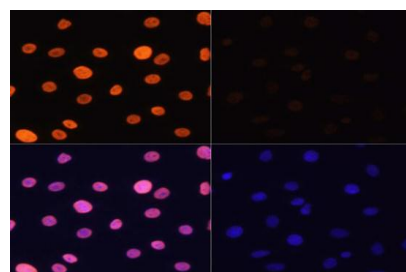
### DATA:



Western blot analysis of extracts of various cell lines, using Acetyl-Histone H3-K4 antibody at 1:1000 dilution. NIH/3T3 cells were treated by TSA at 37°C for 18 hours. 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: 90s.



Western blot analysis of extracts of NIH/3T3 cells, using Acetyl-Histone H3-K4 antibody at 1:1000 dilution. NIH/3T3 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: 300s.



Immunofluorescence analysis of C6 cells using Acetyl-Histone H3-K4 antibody at dilution of 1:100. C6 cells were treated by TSA at 37°C

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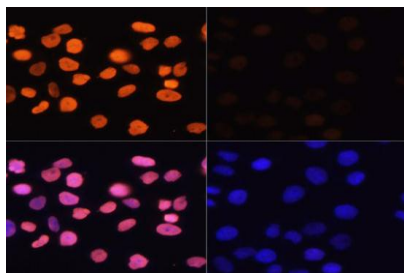
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for 18 hours. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using Acetyl-Histone H3-K4 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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