

## Acetyl-Histone H3-K27 polyclonal antibody

Catalog: BS79331

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. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.

### Product:

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

### Molecular Weight:

17KDa

### Swiss-Prot:

P68431

### 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:

DB,1:500 - 1:2000|WB,1:500 - 1:2000|ChIP,1:50 - 1:200

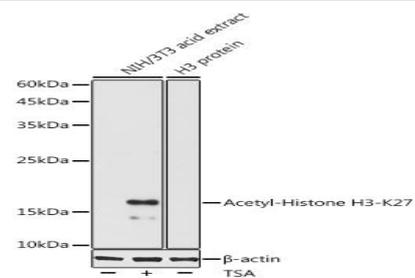
### Storage&Stability:

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

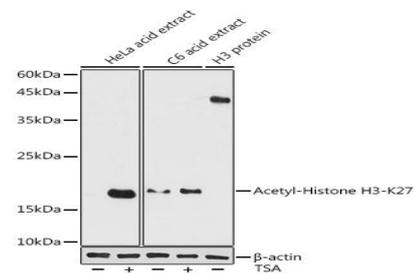
### Modification:

Acetylated

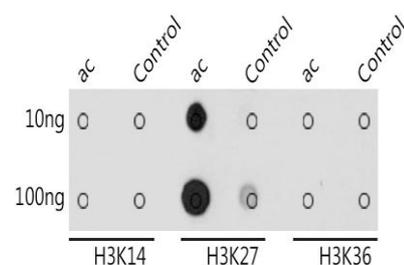
### DATA:



Western blot analysis of extracts of various cell lines, using Acetyl-Histone H3-K27 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: 1s.



Western blot analysis of extracts of various cell lines, using Acetyl-Histone H3-K27 antibody at 1:1000 dilution. HeLa 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: 180s.



Dot-blot analysis of all sorts of peptides using Acetyl-Histone H3-K27

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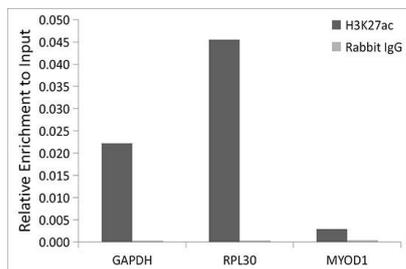
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antibody at 1:1000 dilution.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H3-K27 Rabbit pAb antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR.

Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.

**Note:**

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

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