

## Histone H3 (Acetyl-K123) polyclonal antibody

Catalog: BS64086

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Chromatin is the arrangement of DNA and proteins in which chromosomes are formed. Correspondingly, chromatin is formed from nucleosomes, which are comprised of a set of four histone proteins (H2A, H2B, H3, H4) wrapped with DNA. Chromatin is a very dynamic structure in which numerous post-translational modifications work together to activate or repress the availability of DNA to be copied, transcribed, or repaired. These marks decide which DNA will be open and commonly active (euchromatin) or tightly wound to prevent access and activation (heterochromatin). Common histone modifications include methylation of lysine and arginine, acetylation of lysine, phosphorylation of threonine and serine, and sumoylation, biotinylation, and ubiquitylation of lysine.

### Product:

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

### Molecular Weight:

~ 14 kDa

### Swiss-Prot:

P68431/Q71DI3/P84243/Q6NXT2

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 96% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

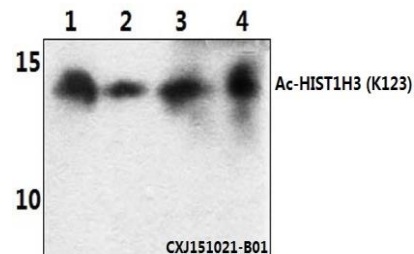
### Storage&Stability:

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

### Specificity:

Ac-Histone H3 (K123) polyclonal antibody detects endogenous levels of Histone H3 protein only when acetylated at Lys123.

### DATA:



Western blot (WB) analysis of Histone H3 (Acetyl-K123) polyclonal antibody at 1:500 dilution

Lane1:HeLa whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:NIH-3T3 whole cell lysate(40ug)

Lane4:H9C2 whole cell lysate(40ug)

### Note:

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

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