

Acetyl-Histone H3-K18 polyclonal antibody

Catalog: BS74015 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 H3 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:

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:

WB,1:1000 - 1:3000|IHC,1:200 - 1:500|IF/ICC,1:500 - 1:1000|IP,1:200 - 1:500|ChIP,1:50 - 1:100|ChIP-seq,1:50 - 1:100

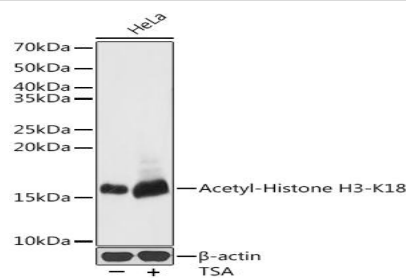
Storage&Stability:

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

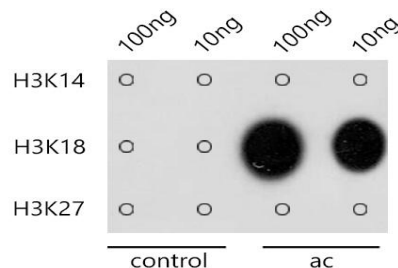
Category:

Acetylated Antibodies

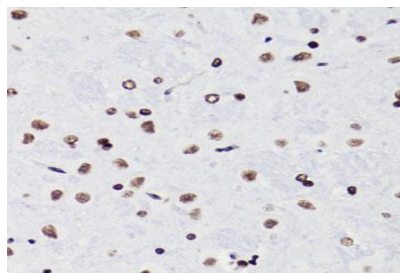
DATA:



Western blot analysis of extracts of HeLa cells, using Acetyl-Histone H3-K18 antibody at 1:500 dilution. HeLa 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.



Dot-blot analysis of all sorts of methylation peptides using Acetyl-Histone H3-K18 antibody at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded rat brain using H3K18ac antibody at dilution of 1:100. Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

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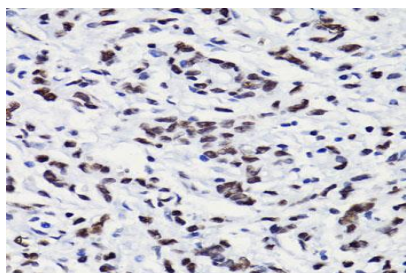
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Immunohistochemistry of paraffin-embedded human gastric cancer using H3K18ac antibody at dilution of 1:100. Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Note:

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

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