

Histone H3 (Acetyl-K18) polyclonal antibody

Catalog: BS70006

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Histone H3 is primarily acetylated at Lys9, 14, 18, 23, 27 and 56. Acetylation of H3 at Lys9 appears to have a dominant role in histone deposition and chromatin assembly in some organisms. Phosphorylation at Ser10, Ser28 and Thr11 of histone H3 is tightly correlated with chromosome condensation during both mitosis and meiosis. Phosphorylation of Thr3 of histone H3 is highly conserved among many species and is catalyzed by the kinase haspin. Immunostaining with phospho-specific antibodies in mammalian cells reveals mitotic phosphorylation of H3 Thr3 in prophase and its dephosphorylation during anaphase.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 17 kDa

Swiss-Prot:

P68431/Q71DI3/P84243

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

IHC: 1:50~1:200

IF: 1:200

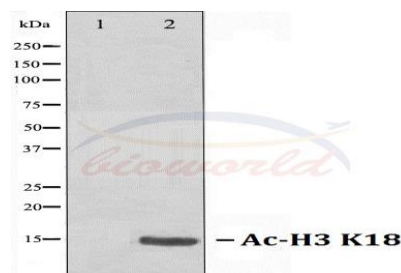
Storage&Stability:

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

Specificity:

Ac-Histone H3 (K18) polyclonal antibody detects endogenous levels of Histone H3 protein only when acetylated at Lys18.

DATA:



Western blot analysis of extracts from HeLa cells, treated with TSA 400nM 24h, using Histone H3 (Acetyl-K18) Antibody. The lane on the left is treated with the synthesized peptide.

Note:

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

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