Histone H3 (Acetyl-K9) polyclonal antibody

Catalog: BS8009 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:

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

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: 1:500~1:1000

IHC: 1:50~1:200

Storage&Stability:

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

Specificity:

Ac-Histone H3 (K9) polyclonal antibody detects endogenous levels of Histone H3 protein only when acetylated at K9.

DATA:

Western blot (WB) analysis of Histone H3 (Acetyl-K9) pAb at 1:1000 dilution

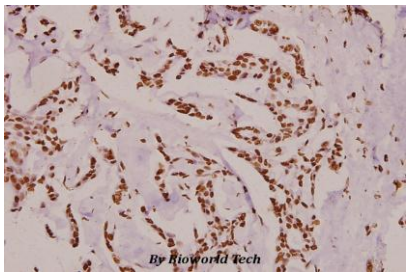
Lane1:3T3-L1 whole cell lysate(30ug)

Lane2:C6 whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(30ug)

Lane4:A549 whole cell lysate(40ug)

Lane5:LOVO whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Histone H3 (Acetyl-K9) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151