Histone H3 (phospho-S10) polyclonal antibody

Catalog: BS4094 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fibre is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures.Covalent modifications of the canonical core histones, including acetylation, phosphorylation, methylation, and monoubiquitination are used to mark nucleosomes to create chromatin domains with a range of functions.

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: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

Storage&Stability:

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

Specificity:

p-Histone H3 (S10) polyclonal antibody detects endogenous levels of Histone H3 protein only when phosphorylated at Ser10.

DATA:

Western blot (WB) analysis of p-Histone H3 (S10) pAb at 1:1000 dilution

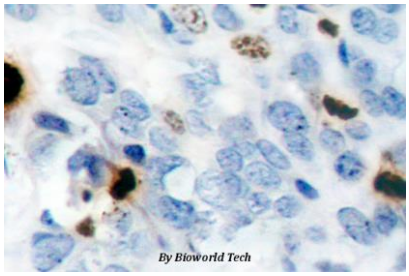
Lane1:HEK293T whole cell lysate(40ug)

Lane2:MCF-7 whole cell lysate(10ug)

Lane3:PC3 whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(40ug)

Lane5:AML-12 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-Histone H3 (S10) pAb in paraffin-embedded human skeleta l muscle tissue.

Note:

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

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