

Histone H2B (K24) polyclonal antibody

Catalog: BS2568

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

In eukaryotes, DNA is wrapped around histone octamers to form the basic unit of chromatin structure. The octamer is composed of histones H2A, H2B H3 and H4 and it associates with approximately 200 base pairs of DNA to form the nucleosome. The association of DNA with histones results in dense packing of chromatin, which restricts proteins involved in gene transcription from binding to DNA. Histone H1 is required for the condensation of nucleosome chains into higher order structures. Phosphorylation of Histone H1 is thought to be involved in this process, although the exact nature of this role has yet to be elucidated. Evidence suggests that Histone H1 is a part of a general repressor mechanism for stable repression of transcription, but it can also activate transcription of specific genes.

Product:

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

Molecular Weight:

~ 18 kDa

Swiss-Prot:

Q93079

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:

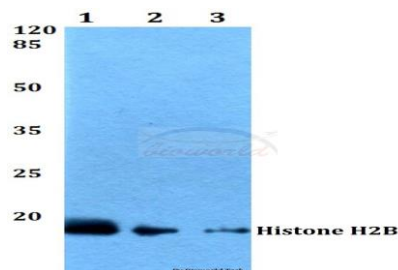
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

Histone H2B (K24) polyclonal antibody detects endogenous levels of Histone H2B type 1-H protein.

DATA:

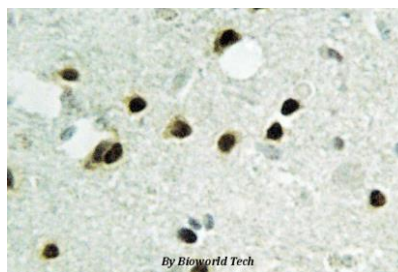


Western blot (WB) analysis of Histone H2B polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate



Immunohistochemistry (IHC) analyzes of Histone H2B (K24) pAb in paraffin-embedded human brain tissue.

Note:

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

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