

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Histone H3.1 (G34) Antibody

Cat No.: BS5523

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 15 mM sodium azide, approx. pH 7.2.

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 (Recommended Dilutions)

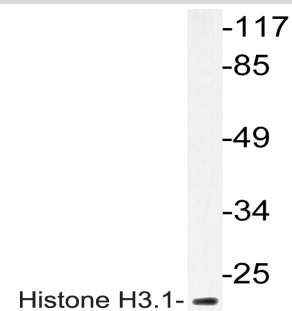
STORAGE & STABILITY

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

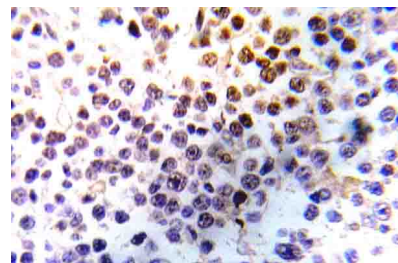
SPECIFICITY

Histone H3.1 (G34) antibody detects endogenous levels of Histone H3.1 protein.

DATA



Western blot (WB) analyzes of Histone H3.1 (G34) antibody in extracts from COLO205 cells.



Immunohistochemistry (IHC) analyzes of Histone H3.1 (G34) antibody in paraffin-embedded human malignant lymphoma tissue.

RESEARCH USE

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

Bioworld Technology, Inc.

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