

## Histone H2A (A2) polyclonal antibody

Catalog: BS1499

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 fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. Global mass spectrometric analysis of histone H2A variants/subtypes and their modifications have only recently been carried out. Nine histone H2A subtypes have been identified, including H2A2A and H2A2B. The two main H2A variants, H2AO and H2AC, as well as H2AL, were either acetylated at Lys 5 or phosphorylated at Ser 1. For the replacement histone H2AZ, acetylation at Lys 4 and Lys 7 was found.

### Product:

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

### Molecular Weight:

~ 15 kDa

### Swiss-Prot:

POC0S5

### 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

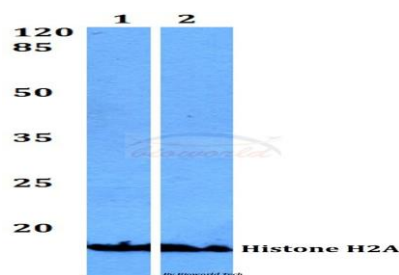
### Storage&Stability:

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

### Specificity:

Histone H2A (A2) polyclonal antibody detects endogenous levels of Histone H2A protein.

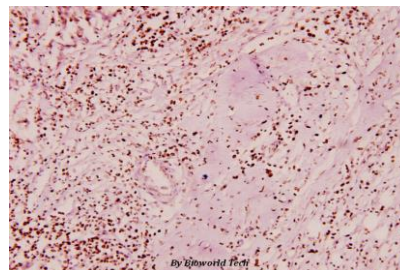
### DATA:



Western blot (WB) analysis of Histone H2A (A2) polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate

Lane2:Raw264.7 whole cell lysate



Immunohistochemistry (IHC) analyzes of Histone H2A (A2) 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@bioworld.com](mailto:info@bioworld.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](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151