

## Acetyl-Histone H2A Polyclonal Antibody

**CATALOG #:** 3653-100

**AMOUNT:** 100 µg

**LOT #:** \_\_\_\_\_

**HOST:** Rabbit

### FORMULATION:

100 µg (0.5 mg/ml) peptide affinity purified rabbit anti-Acetyl-Histone H2A polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

**SPECIES REACTIVITY:** human, mouse, rat

### STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### BACKGROUND:

The core histone proteins (H2A, H2B, H3, and H4) in nucleosome undergo different posttranslational modifications including acetylation, phosphorylation, and methylation. These modifications occur in response to cell stimuli and play an important role in regulating gene expression.

### SPECIFICITY:

The antibody detects 14 kDa Histone H2A when acetylated at Lys5 in samples from human, mouse, and rat origins. The antibody does not cross-react with other acetylated histones.

### APPLICATION AND USAGE:

The antibody can be used for Western blotting (1-4 µg/ml), immunoprecipitation (10-20 µg/ml), and immunohistochemistry (15-25 µg/ml). However, the optimal conditions should be determined individually. Other applications have not been determined.

**For research use only! Not to be used in human.**

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- Apoptosis siRNA Vectors

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- Mammalian Cell Extraction Kit
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