



# Acetyl-Histone H4 Polyclonal Antibody

**CATALOG #:** 3656-100

**AMOUNT:** 100 µg

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

## FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-Acetyl-Histone H4 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/defrost 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 11 kDa Histone H4 when acetylated at Lys8 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.

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

## RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

### Cell Damage & Repair

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

### Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

### Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies