

# Histone H2B Rabbit mAb

Catalog No.: A26075 **Recombinant**

## Basic Information

**Observed MW**

14kDa

**Calculated MW**

14kDa

**Category**

Primary antibody

**Applications**

WB, IHC-P, ELISA, CHIP

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC68307

## Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-dependent histone that is a member of the histone H2B family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. The protein has antibacterial and antifungal antimicrobial activity.

## Recommended Dilutions

**WB** 1:500 - 1:1000**IHC-P** 1:2000 - 1:4000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**ChIP** 3 µg antibody for 5µg-10µg of Chromatin

## Immunogen Information

**Gene ID**

3017/8349

**Swiss Prot**

P62807/Q16778


**Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

**Synonyms**

H2B; H2BE; H2BQ; GL105; H2B.1; H2BFQ; H2BGL105; H2B-GL105; HIST2H2BE; Formyl-Histone H2B-K108

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

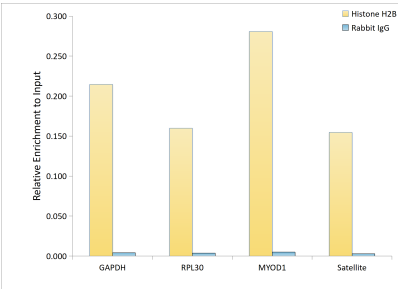
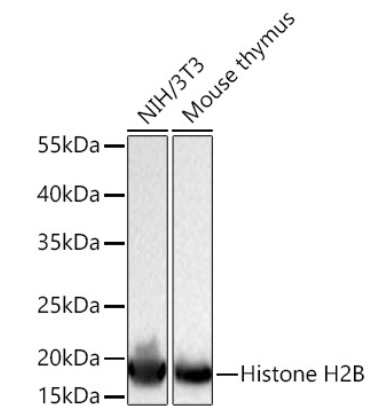
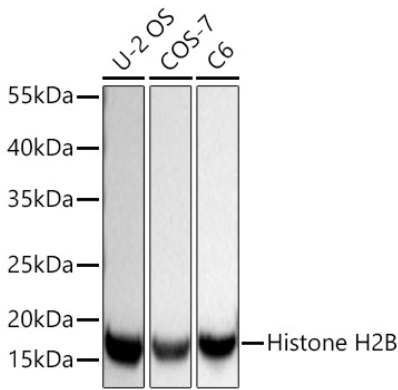
Affinity purification

**Storage**

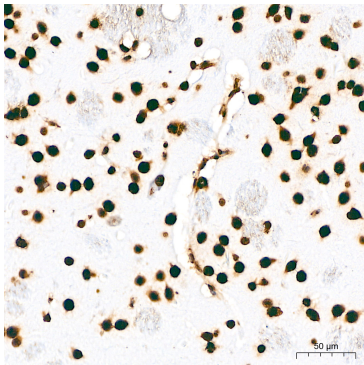
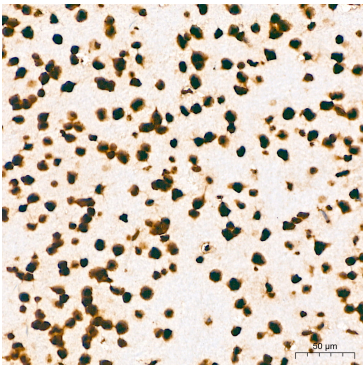
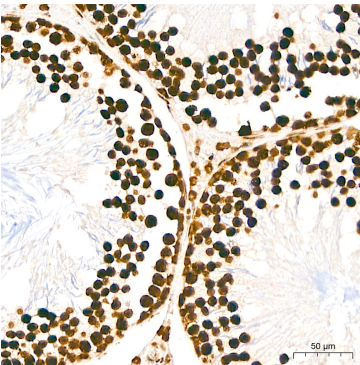
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3

Validation Data



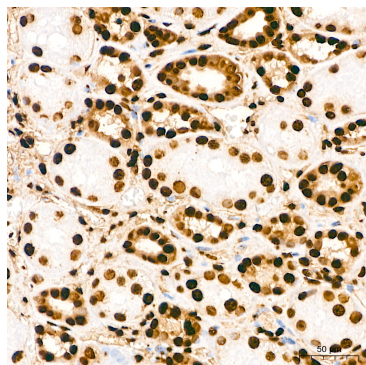
Chromatin immunoprecipitation was performed with 10 µg of cross-linked chromatin from HeLa cells, using 3 µg of Histone H2B Rabbit mAb (A26075) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.



## Validation Data

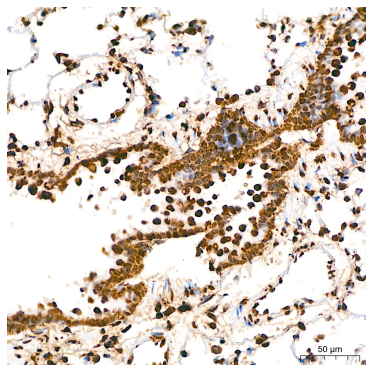
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Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using Histone H2B Rabbit mAb (A26075) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using Histone H2B Rabbit mAb (A26075) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Histone H2B Rabbit mAb (A26075) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using Histone H2B Rabbit mAb (A26075) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Histone H2B Rabbit mAb (A26075) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.