

# Histone H2B Rabbit mAb

Catalog No.: A19812

Recombinant

1 Publications

## Basic Information

**Observed MW**

17kDa

**Calculated MW**

14kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IHC-P

**Cross-Reactivity**

Human, Mouse, Rat, Other (Wide Range Predicted)

**CloneNo number**

ARC2337

## 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. The protein encoded is an antimicrobial protein with antibacterial and antifungal activity. Two transcripts that encode the same protein have been identified for this gene, which is found in the histone microcluster on chromosome 6p21.33.

## Recommended Dilutions

**WB** 1:500 - 1:1000**IHC-P** 1:50 - 1:200

## Immunogen Information

**Gene ID**

3017/8349

**Swiss Prot**

P62807/Q16778

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 47-126 of human Histone H2B (O60814).

**Synonyms**

H2BK; H2B/S; H2BFT; H2BFAiii; HIST1H2BK; Histone H2B

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

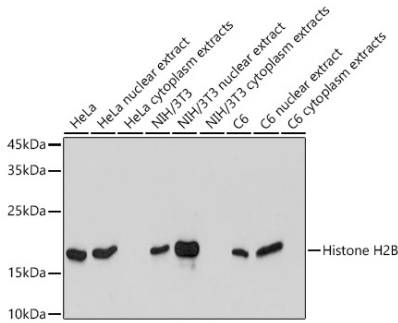
Affinity purification

**Storage**

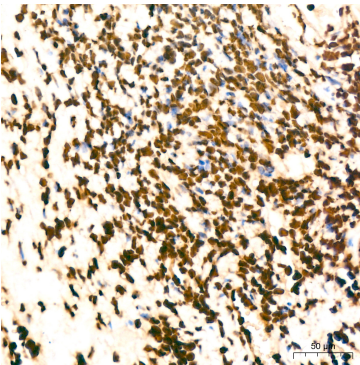
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

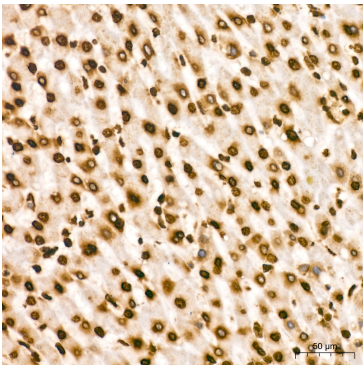
Validation Data



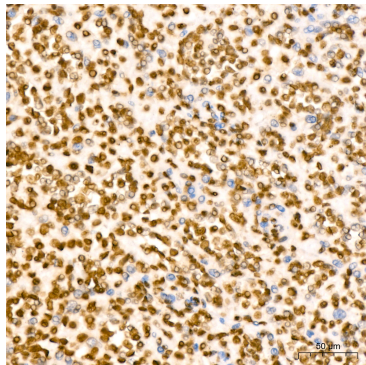
Western blot analysis of various lysates using Histone H2B Rabbit mAb (A19812) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.



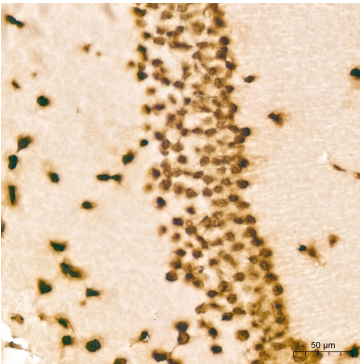
Immunohistochemistry analysis of Histone H2B in paraffin-embedded human cervix cancer tissue using Histone H2B Rabbit mAb (A19812) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



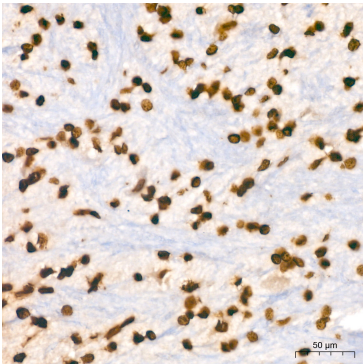
Immunohistochemistry analysis of Histone H2B in paraffin-embedded human liver tissue using Histone H2B Rabbit mAb (A19812) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



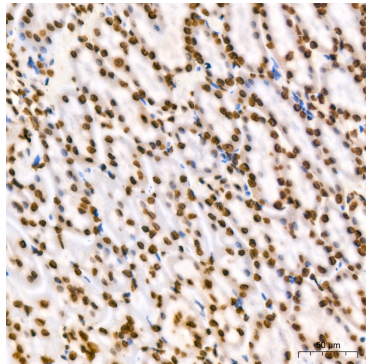
Immunohistochemistry analysis of Histone H2B in paraffin-embedded human spleen tissue using Histone H2B Rabbit mAb (A19812) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of Histone H2B in paraffin-embedded mouse brain tissue using Histone H2B Rabbit mAb (A19812) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of Histone H2B in paraffin-embedded rat brain tissue using Histone H2B Rabbit mAb (A19812) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of Histone H2B in paraffin-embedded rat kidney tissue using Histone H2B Rabbit mAb (A19812) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.