

Histone H2B (testis specific) Rabbit mAb

Catalog No.: A24166 **Recombinant**

Basic Information

Observed MW

20kDa/17kDa/17kDa

Calculated MW

14kDa

Category

Primary antibody

Applications

ELISA,WB,IHC-P,IF/ICC,IP,ChIP

Cross-Reactivity

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

CloneNo number

ARC63457

Recommended Dilutions

| | |
|---------------|--|
| WB | 1:2000 - 1:6000 |
| IHC-P | 1:500 - 1:1000 |
| IF/ICC | 1:50 - 1:200 |
| IP | 0.5µg-4µg antibody for 400µg-600µg extracts of whole cells |
| ChIP | 5µg antibody for 5µg-15µg of Chromatin |

Contact

| | |
|--|---------------------------|
|  | 400-999-6126 |
|  | cn.market@abclonal.com.cn |
|  | www.abclonal.com.cn |

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. This gene is intronless and encodes a replication-dependent histone that is a testis/sperm-specific member of the histone H2B family. Transcripts from this gene contain a palindromic termination element.

Immunogen Information

Gene ID

255626

Swiss Prot

Q96A08

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Histone H2B (testis specific) (NP_733759.1).

Synonyms

STBP; TH2B; H2BFU; TSH2B; hTSH2B; TSH2B.1; HIST1H2BA; bA317E16.3; Histone H2B (testis specific)?

Product Information

Source

Rabbit

Isotype

IgG

Purification

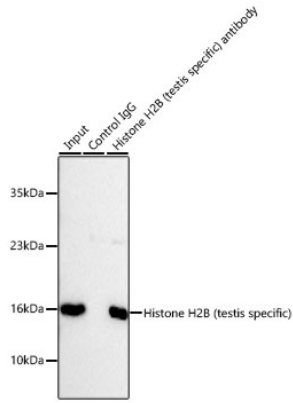
Affinity purification

Storage

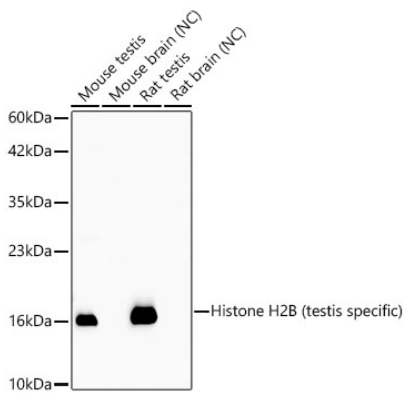
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Immunoprecipitation of Histone H2B (testis specific) from 600 µg extracts of Rat testis tissue was performed using 2 µg of Histone H2B (testis specific) Rabbit mAb (A24166). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X non-reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Histone H2B (testis specific) Rabbit mAb (A24166) at a dilution of 1:1000.



Western blot analysis of various lysates using Histone H2B (testis specific) Rabbit mAb (A24166) at 1:5000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

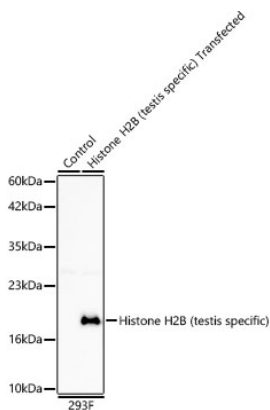
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Negative control (NC): Mouse brain, Rat brain.

Exposure time: 90s.



Western blot analysis of lysates from wild type (WT) and 293F cells transfected with Histone H2B (testis specific) using Histone H2B (testis specific) Rabbit mAb(A24166) at 1:5000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

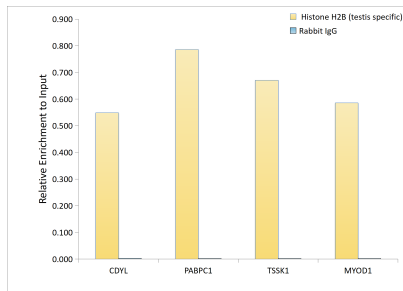
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

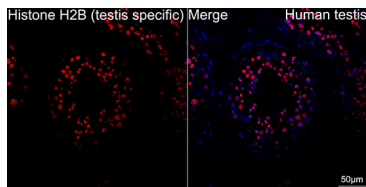
Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.

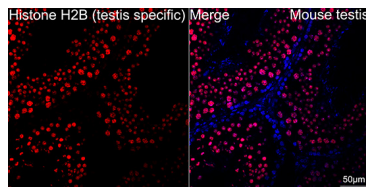
Validation Data



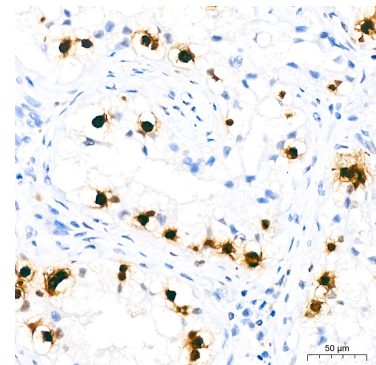
Chromatin immunoprecipitation was performed with cross-linked chromatin from mouse testis, using Histone H2B(testis specific) Rabbit mAb (A24166) and rabbit IgG(AC042) . The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram compares the ratio of the immunoprecipitated DNA versus the input.



Confocal imaging of paraffin-embedded Human testis using Histone H2B (testis specific) Rabbit mAb (A24166,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red). DAPI was used for nuclear staining (Blue).Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Confocal imaging of paraffin-embedded Mouse testis using Histone H2B (testis specific) Rabbit mAb (A24166,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red). DAPI was used for nuclear staining (Blue).Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of Histone H2B (testis specific) in paraffin-embedded human testis tissue using Histone H2B (testis specific) Rabbit mAb (A24166) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.