



# Histone H2B (Acetyl Lys12) Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-17418                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>         | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>       | WB                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Name</b>          | HIST1H2BC                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Name</b>       | Histone H2B type 1-A/Histone H2B type 1-B/Histone H2B type 1-C/E/F/G/I                                                                                                                                                                                                                                                                                                                                                                |
| <b>Immunogen</b>          | Synthetic Peptide of Histone H2B (Acetyl Lys12)                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | The antibody detects endogenous Histone H2B (Acetyl Lys12) protein.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Formulation</b>        | PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                         |
| <b>Dilution</b>           | WB: 1:1000-2000                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>           | HIST1H2BA; TSH2B; Histone H2B type 1-A; Histone H2B, testis; Testis-specific histone H2B; HIST1H2BB; H2BFF; Histone H2B type 1-B; Histone H2B.1; Histone H2B.f; H2B/f; HIST1H2BC; H2BFL; HIST1H2BE; H2BFH; HIST1H2BF; H2BFG; HIST1H2BG; H2BFA; HIST1H2BI; H2BFK; Histone H2B type 1-C/E/F/G/I; Histone H2B.1 A; Histone H2B.a; H2B/a; Histone H2B.g; H2B/g; Histone H2B.h; H2B/h; Histone H2B.k; H2B/k; Histone H2B.l; H2B/l;H2BK12AC |
| <b>Observed Band</b>      | 14kD                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cell Pathway</b>       | Nucleus . Chromosome .                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Tissue Specificity</b> | Mainly expressed in testis, and the corresponding protein is also present in mature sperm (at protein level). Also found in some fat cells.                                                                                                                                                                                                                                                                                           |
| <b>Function</b>           | function:Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is                                                                                                         |

**Nanjing BYabs science technology Co.,Ltd**



regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.,PTM:Monoubiquitination of Lys-122 by the RNF20/40 complex gives a specific tag for epigenetic transcriptional activation and is also prerequisite for histone H3 'Lys-4' and 'Lys-79' methylation. It also functions cooperatively with the FACT dimer to stimulate elongation by RNA polymerase II.,similarity:Belongs to the histone H2B family.,subunit:The nucleosome is a histone octamer containing two molecules each of H2A, H2B, H3 and H4 assembled in one

## 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. [provided by RefSeq, Aug 2015],

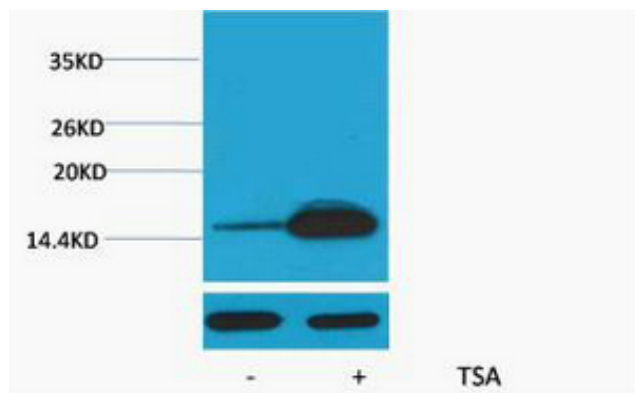
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of extracts from HeLa cells, untreated (-) or treated, 1:5000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).

Nanjing BYabs science technology Co.,Ltd

网址: [www.njbybio.com](http://www.njbybio.com)

官方热线: 025-5229-8998

监督电话: 15950492658