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Datasheet for ABIN5557487  
**anti-Histone H2B antibody**

3 Images

### Overview

Quantity:	100 µL
Target:	Histone H2B
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Histone H2B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc))

### Product Details

Immunogen:	Recombinant human Histone H2B protein, full length.
Clone:	3A6
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	Histone H2B
Abstract:	<a href="#">Histone H2B Products</a>
Background:	Synonyms: H2B.1, H2B.1 B, H2B.b, H2B.c, H2B.d, H2B.e, H2B.f, H2B.j, H2B.q, H2BFB, H2BFC,

## Target Details

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H2BFD, H2BFE, H2BFF, H2BFJ, H2BFO, H2BFQ, H2BFS, HIRIP2, HIST1H2BB, HIST1H2BD, HIST1H2BH, HIST1H2BL, HIST1H2BM, HIST1H2BN, HIST2H2BE, Histone H2B, Histone H2B type 1 B, Histone H2B type 1 D, Histone H2B type 1 H, Histone H2B type 1 L, Histone H2B type 1 M, Histone H2B type 1 N, Histone H2B type 2 E, Histone protein, H2B GL105, H2B histone family member O, H2B histone family member S.

Background: Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machinery 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 regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Has broad antibacterial activity. May contribute to the formation of the functional antimicrobial barrier of the colonic epithelium, and to the bactericidal activity of amniotic fluid.

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Gene ID: 3018

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UniProt: [P33778](#)

## Application Details

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Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 1xTBS ( pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

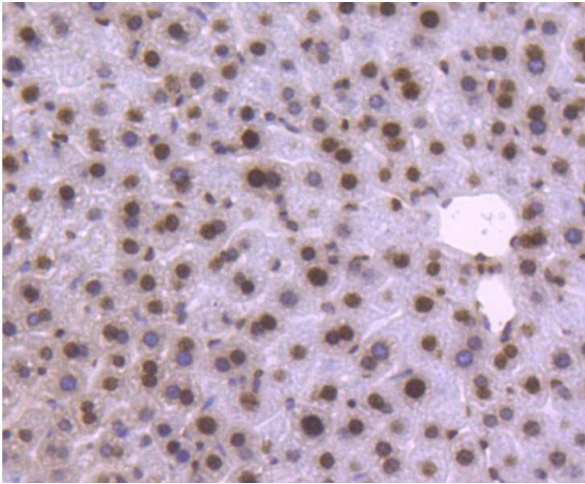
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Storage: 4 °C,-20 °C

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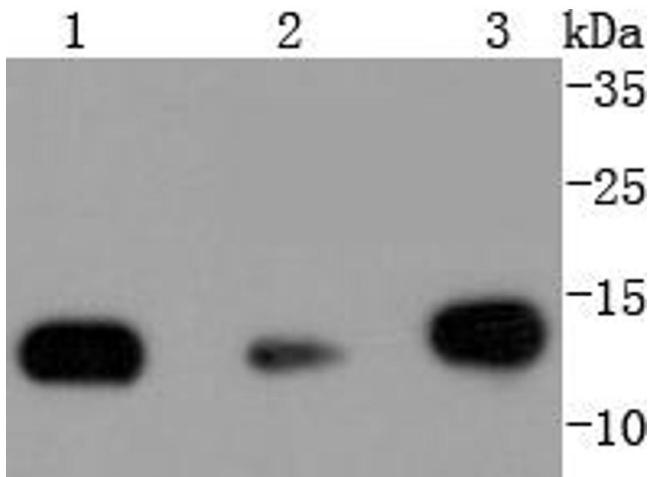
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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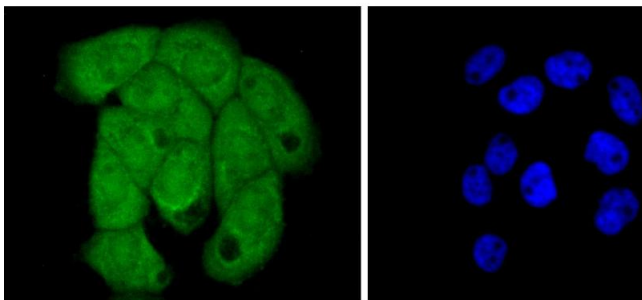
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded mouse liver, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal serum) at 37°C for 20min, Antibody incubation with Histone H2B (3A6) Monoclonal Antibody at 1:50 overnight at 4°C, followed by a conjugated secondary and DAB staining.



#### Western Blotting

**Image 2.** Lane 1: Hela, Lane 2: NIH/3T3, Lane 3: PC12 lysates probed with Histone H2B (3A6) Monoclonal Antibody at 1:1000 overnight at 4°C. Followed by a conjugated secondary antibody.



#### Immunofluorescence (Cultured Cells)

**Image 3.** A431 cells were stained with Histone H2B (3A6) Monoclonal Antibody at [1:200] incubated overnight at 4C, followed by secondary antibody incubation, DAPI staining of the nuclei and detection.