

A15621

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## Acetyl-Histone H2B-K5 Rabbit pAb

Catalog No.: A15621

### Basic Information

#### Observed MW

16kDa

#### Calculated MW

#### Category

Mouse Monoclonal Antibody

#### Applications

WB,IHC-P,IF/ICC,ELISA

#### Cross-Reactivity

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

### 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 member of the histone H2B family. Two transcripts that encode the same protein have been identified for this gene, which is found in the large histone gene cluster on chromosome 6p22-p21.3.

### Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

3017/8349

#### Swiss Prot

P62807/Q16778

#### Immunogen

A synthetic acetylated peptide around K5 of human Histone H2B (NP\_003519.1).

#### Synonyms

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

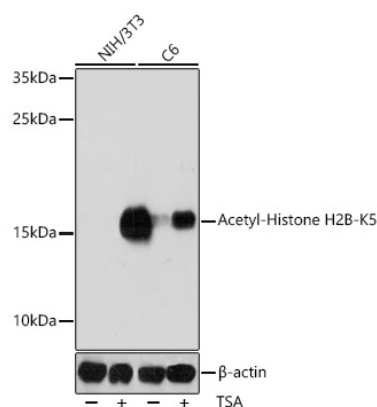
Affinity purification

#### Storage

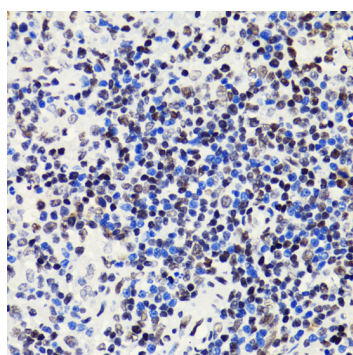
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

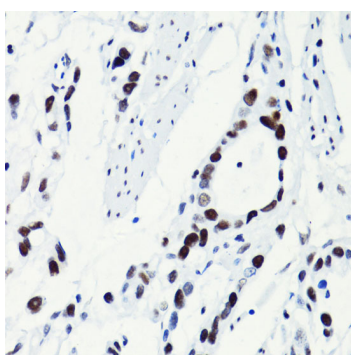
## Validation Data



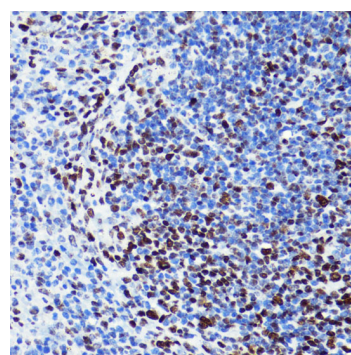
Western blot analysis of various lysates using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at 1:1000 dilution. NIH/3T3 cells were treated by TSA (1  $\mu$ M) at 37°C for 18 hours. C6 cells were treated by TSA (1  $\mu$ M) at 37°C for 18 hours.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
 Lysates/proteins: 25  $\mu$ g per lane.  
 Blocking buffer: 3% BSA.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 60s.



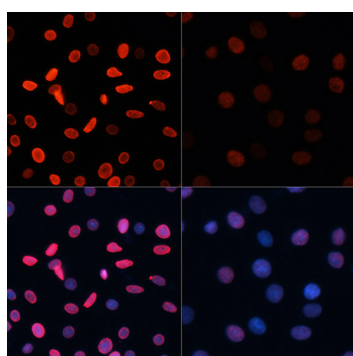
Immunohistochemistry analysis of Acetyl-Histone H2B-K5 in paraffin-embedded rat spleen using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



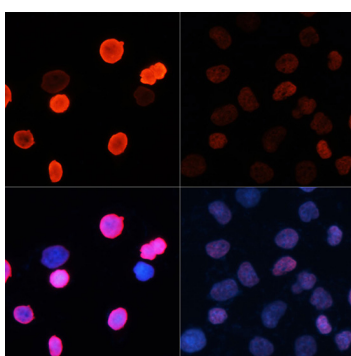
Immunohistochemistry analysis of Acetyl-Histone H2B-K5 in paraffin-embedded human gastric cancer using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



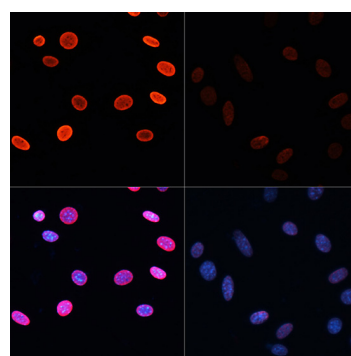
Immunohistochemistry analysis of Acetyl-Histone H2B-K5 in paraffin-embedded mouse spleen using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of C6 cells using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at dilution of 1:100. C6 cells were treated by TSA (1  $\mu$ M) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at dilution of 1:100. HeLa cells were treated by TSA (1  $\mu$ M) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H2B-K5 Rabbit pAb (A15621) at dilution of 1:100. NIH/3T3 cells were treated by TSA (1  $\mu$ M) at 37°C for 18 hours. Blue: DAPI for nuclear staining.