

# Acetyl-Histone H3-K23 Rabbit pAb

**Catalog No.: A18154**

## Basic Information

**Observed MW**

17kDa

**Calculated MW**

15kDa

**Category**

Primary antibody

**Applications**

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

**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. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

## Recommended Dilutions

**WB** 1:100 - 1:500**IHC-P** 1:50 - 1:200**IF/ICC** 1:50 - 1:200**ChIP** 5µg antibody for  
5µg-10µg of Chromatin

## Immunogen Information

**Gene ID**

8290/8350

**Swiss Prot**

Q16695/P68431

**Immunogen**

A synthetic acetylated peptide around K23 of human Histone H3 (NP\_003520.1).

**Synonyms**

H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A; Acetyl-Histone H3-K23

## Contact

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

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

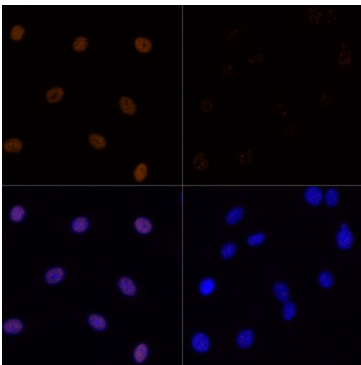
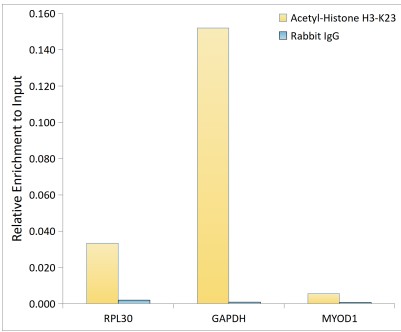
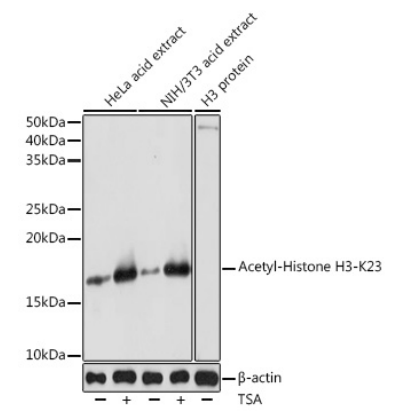
Affinity purification

**Storage**

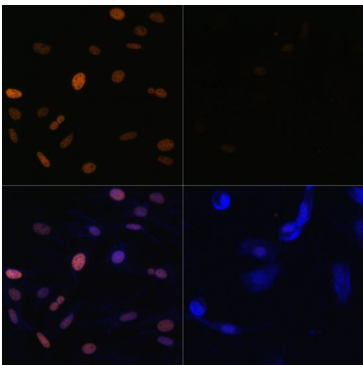
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

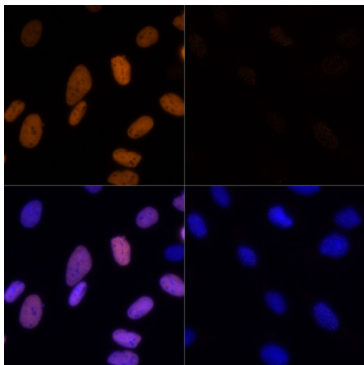
Validation Data



Immunofluorescence analysis of C6 cells using Acetyl-Histone H3-K23 (A18154) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. C6 cells were treated by TSA (1  $\mu$ M) at 37°C for 18 hours. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



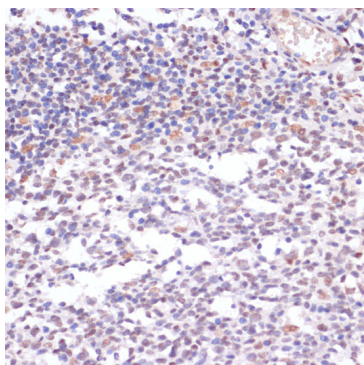
Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H3-K23 (A18154) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. NIH/3T3 cells were treated by TSA (1  $\mu$ M) at 37°C for 18 hours. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



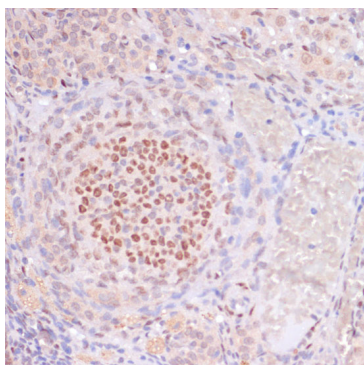
Immunofluorescence analysis of U-2 OS cells using Acetyl-Histone H3-K23 (A18154) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. U2OS cells were treated by TSA (1  $\mu$ M) at 37°C for 18 hours. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

## Validation Data

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Immunohistochemistry analysis of Acetyl-Histone H3-K23 in paraffin-embedded human tonsil using Acetyl-Histone H3-K23 Rabbit pAb (A18154) 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 H3-K23 in paraffin-embedded rat ovary using Acetyl-Histone H3-K23 Rabbit pAb (A18154) 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.