# Acetyl-Histone H3-K18 Rabbit mAb

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Catalog No.: A22367 Recombinant

### **Basic Information**

#### **Observed MW**

17kDa

#### **Calculated MW**

15kDa

### Category

Primary antibody

### **Applications**

WB,IHC-P,ELISA,ChIP

### **Cross-Reactivity**

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

### CloneNo number

ARC53054

### **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** 1:1000 - 1:5000

IHC-P 1:50 - 1:200

**ELISA** Recommended starting

concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay

requirements.

**ChIP** 5μg antibody for

5μg-10μg of Chromatin

### **Immunogen Information**

**Gene ID Swiss Prot**8290/8350
Q16695/P68431

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A; Acetyl-Histone H3-K18

### **Contact**

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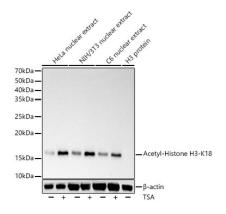
### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of lysates from HeLa cells, using Acetyl-Histone H3-K18 Rabbit mAb (A22367) at 1:2000 dilution. HeLa acid extract and NIH/3T3 acid extract and C6 acid extract were treated with TSA (1 uM) at  $37^{\circ}$ C for 18 hours.

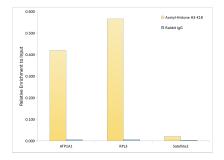
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

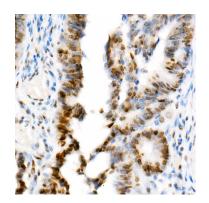
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

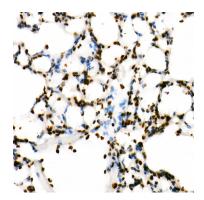
Exposure time: 3s.



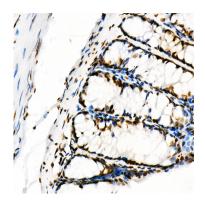
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H3-K18 antibody (A22367) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Immunohistochemistry analysis of paraffinembedded Human colon carcinoma using Acetyl-Histone H3-K18 Rabbit mAb (A22367) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse lung using Acetyl-Histone H3-K18 Rabbit mAb (A22367) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat colon using Acetyl-Histone H3-K18 Rabbit mAb (A22367) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.