

# Acetyl-Histone H3-K27 Rabbit mAb

Catalog No.: A2771

Recombinant

2 Publications

## Basic Information

**Observed MW**

17kDa

**Calculated MW**

15kDa

**Category**

Primary antibody

**Applications**

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

**Cross-Reactivity**

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

**CloneNo number**

ARC53670

## Background

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 regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

## Recommended Dilutions

**DB** 1:500 - 1:2000**WB** 1:10000 - 1:120000**IHC-P** 1:500 - 1:1000**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells**IF/ICC** 1:50 - 1:200**ChIP** 2µg antibody for  
5µg-10µg of Chromatin

## Immunogen Information

**Gene ID**

8290/8350

**Swiss Prot**

Q16695/P68431

**Immunogen**

A synthetic acetylated peptide around K27 of human Histone H3 (P68431).

**Synonyms**

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

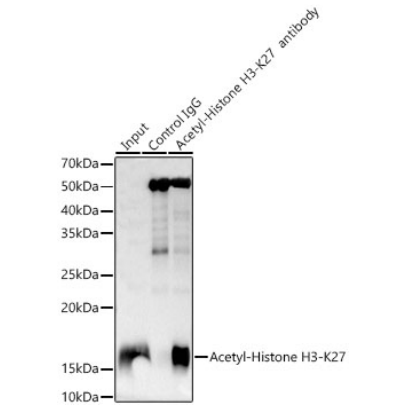
**Storage**

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

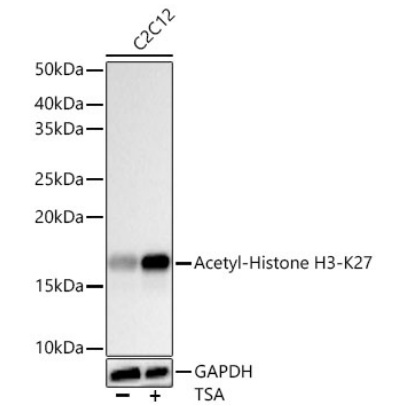
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data

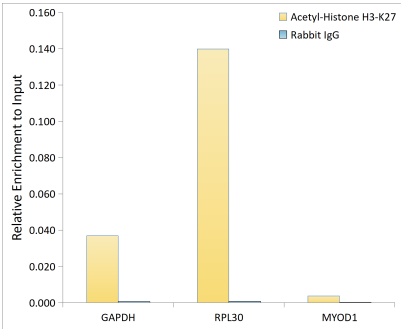
Immunoprecipitation analysis of 600 µg extracts of HeLa TSA cells using 5 µg Acetyl-Histone H3-K27 antibody (A2771). Western blot was performed from the immunoprecipitate using Acetyl-Histone H3-K27 antibody (A2771) at a dilution of 1:50000.



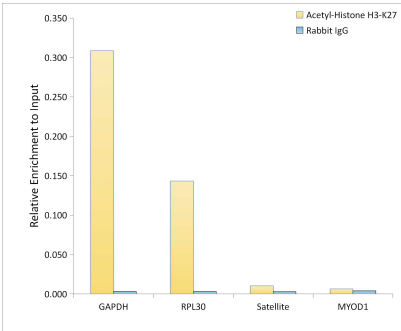
Western blot analysis of lysates from C2C12 cells using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at 1:100000 dilution. C2C12 cells were treated by TSA (1 uM) at 37°C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 20 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



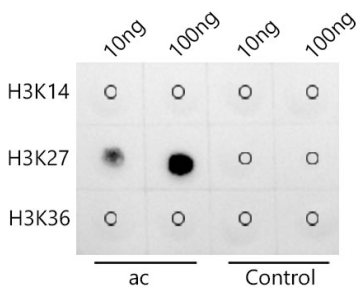
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H3-K27 antibody (A2771) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



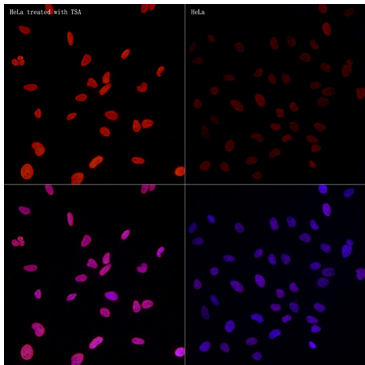
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H3-K27 antibody (A2771) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



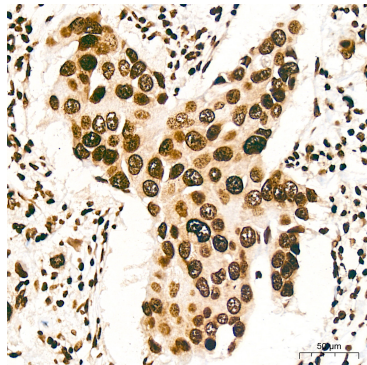
Validation Data



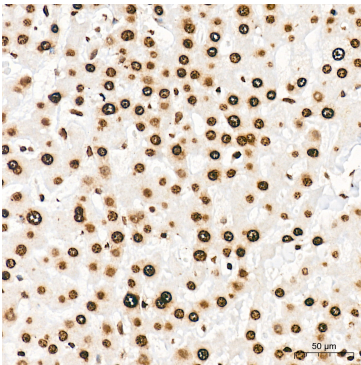
Dot-blot analysis of all sorts of peptides using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at 1:200000 dilution.



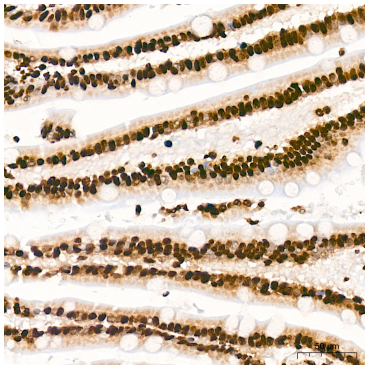
Immunofluorescence analysis of HeLa treated with TSA and HeLa cells using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



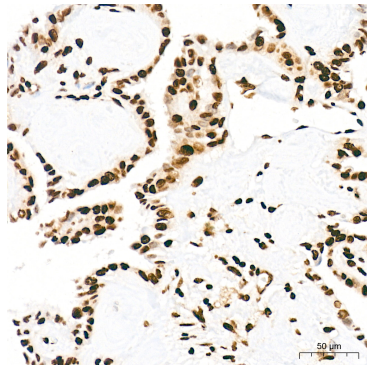
Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded human breast cancer tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



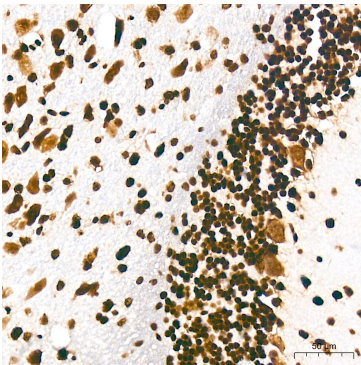
Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded human liver tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



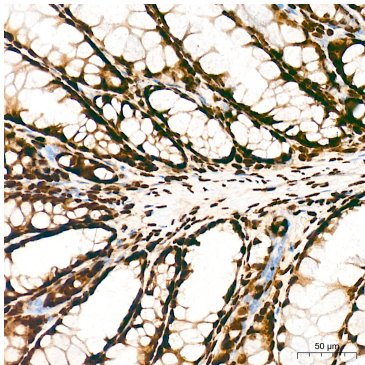
Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded human small intestine tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



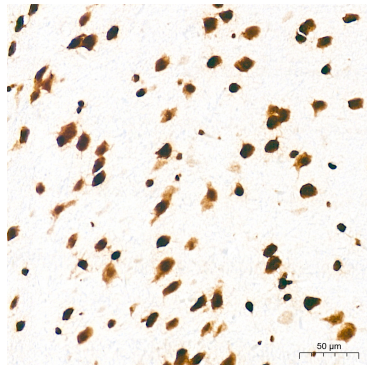
Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded human thyroid cancer tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded mouse brain tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



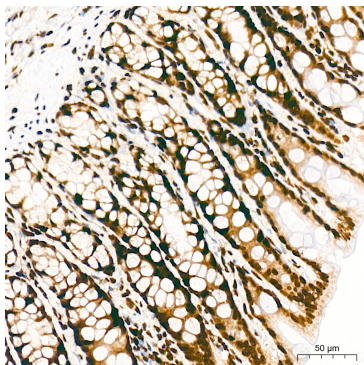
Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded mouse colon tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded rat brain tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

## Validation Data

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Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded rat colon tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.