

Acetyl-Histone H3-K27 Rabbit mAb

Catalog No.: A2771 **Recombinant** **2 Publications**

Basic Information

Observed MW

17kDa

Calculated MW

15kDa

Category

Primary antibody

Applications

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

| | |
|---------------|---|
| WB | 1:10000 - 1:120000 |
| DB | 1:500 - 1:2000 |
| IHC-P | 1:500 - 1:1000 |
| IF/ICC | 1:50 - 1:200 |
| IP | 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells |
| ELISA | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| 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

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.

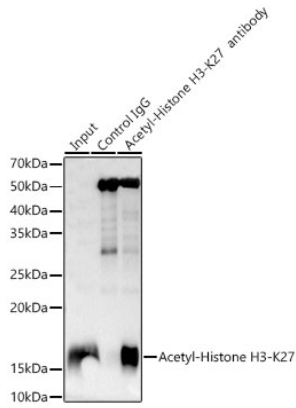
Contact

 | 400-999-6126

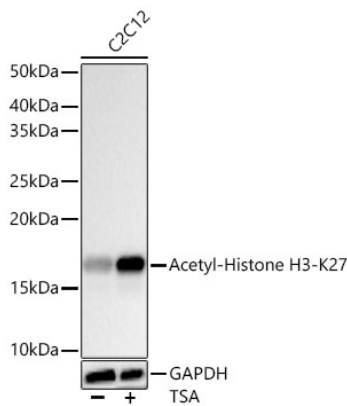
 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

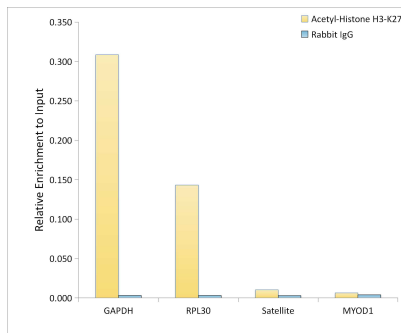
Validation Data



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.

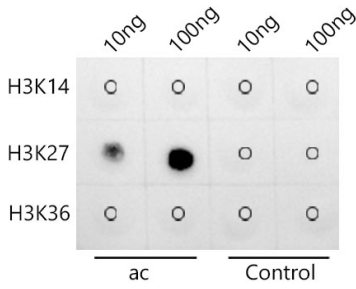


Western blot analysis of lysates from C2C12 cells using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at 1:100000 dilution. C2C12 cells were treated by TSA (1 µM) at 37°C for 18 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 20 µg per lane.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

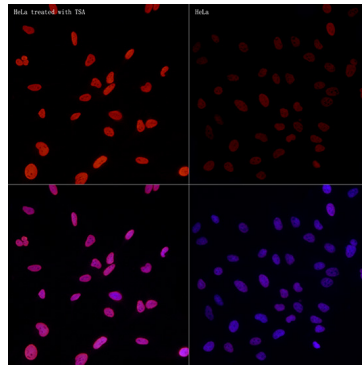


Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H3-K27 antibody (A2771) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.

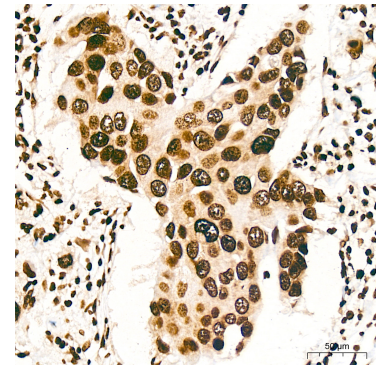
Validation Data



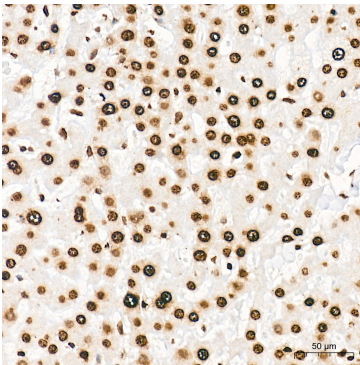
Dot-blot analysis of all sorts of peptides using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at 1:200000 dilution.



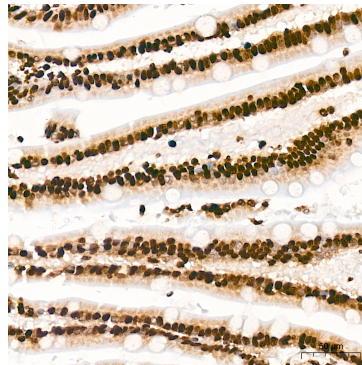
Immunofluorescence analysis of HeLa treated with TSA and HeLa cells using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



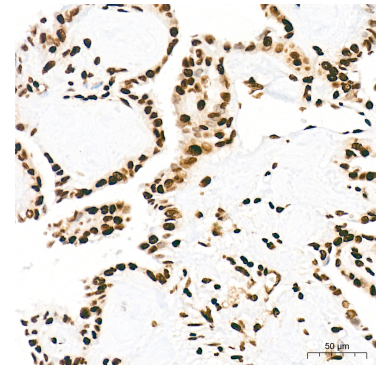
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



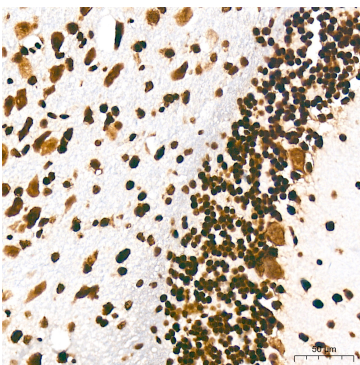
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



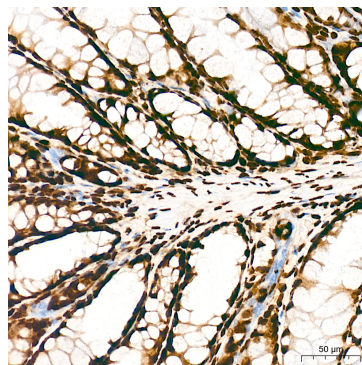
Immunohistochemistry analysis of paraffin-embedded Human small intestine tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



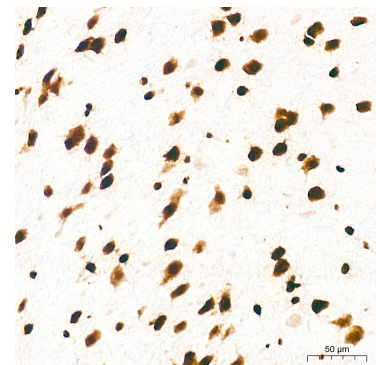
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of 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.

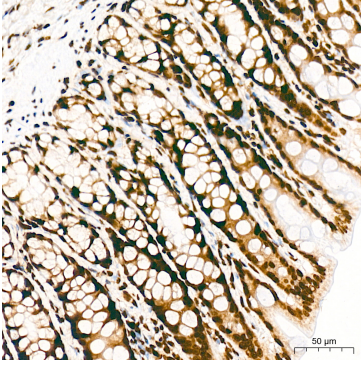


Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of 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



Immunohistochemistry analysis of 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.