

A2771

Leader in Biomolecular Solutions for Life Science



Acetyl-Histone H3-K27 Rabbit mAb

Catalog No.: A2771

Recombinant

2 Publications

Basic Information

Observed MW

17kDa

Calculated MW

15kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

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

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

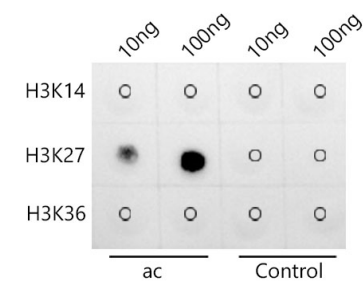
Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Contact

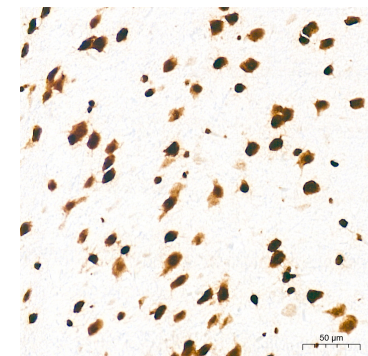
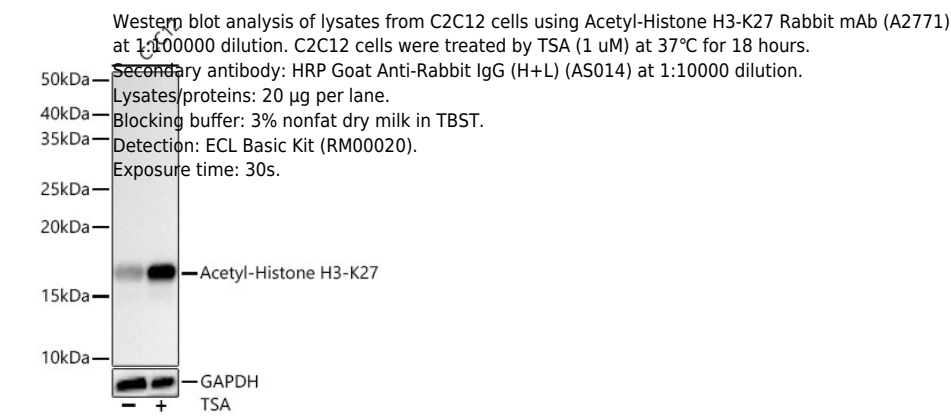


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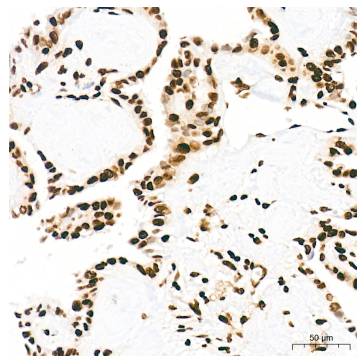
Validation Data



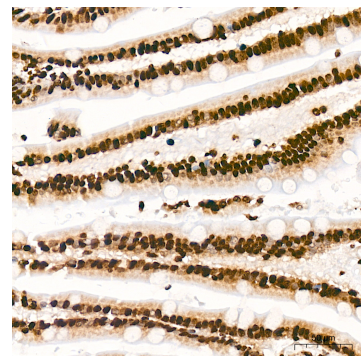
Dot-blot analysis of all sorts of peptides using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at 1:200000 dilution.



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.



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.

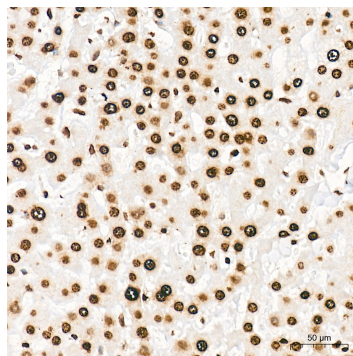


Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded human small intestine tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

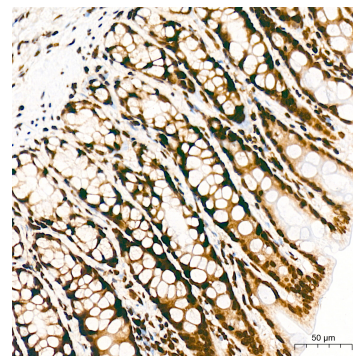
Validation Data



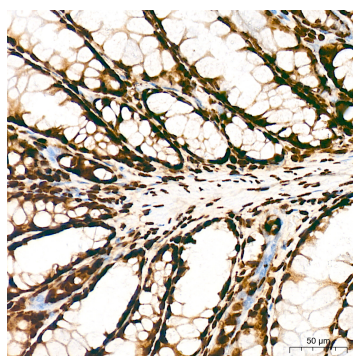
Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded human breast cancer tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



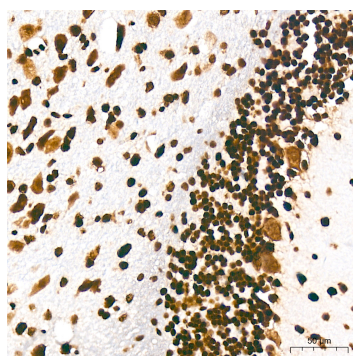
Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded human liver tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



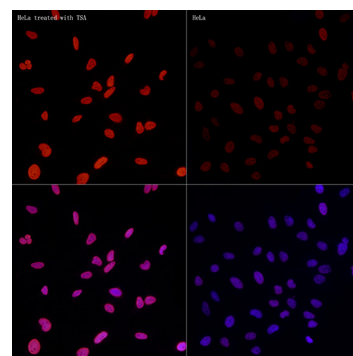
Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded rat colon tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



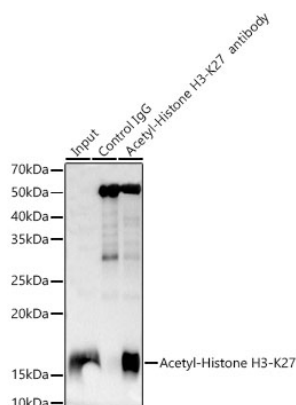
Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded mouse colon tissue using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Acetyl-Histone H3-K27 in paraffin-embedded 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.



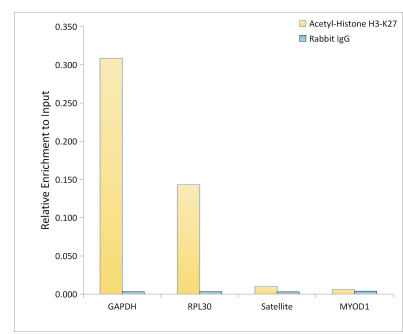
Immunofluorescence analysis of HeLa treated with TSA and HeLa cells using Acetyl-Histone H3-K27 Rabbit mAb (A2771) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



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.

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



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.