

Acetyl-Histone H3-K18 Rabbit mAb

Catalog No.: A22566 Recombinant 1 Publications

Basic Information

Observed MW

17kDa/

Calculated MW

16kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

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

Clone/No. number

ARC55729

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	1:2000 - 1:10000
DB	1:2000 - 1:10000
IHC-P	1:100 - 1:500
IF/ICC	1:500 - 1:1000
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

Contact

	400-999-6126
	cn.market@abclonal.com.cn

Immunogen Information

Gene ID

8290/8350

Swiss Prot

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

Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

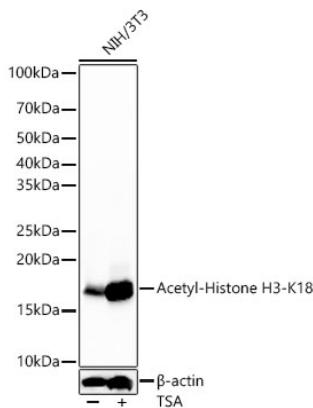
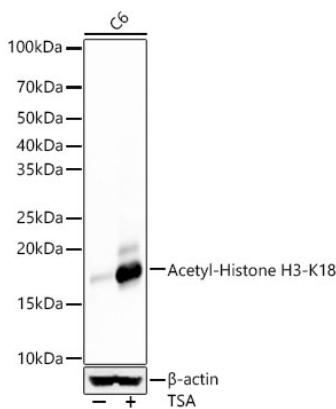
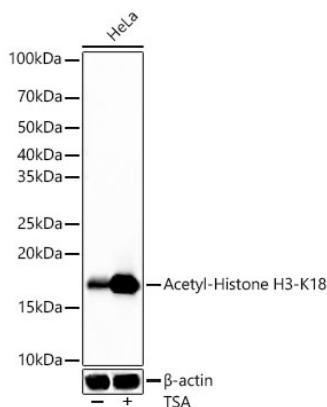
Storage

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

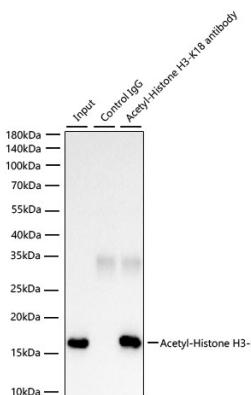
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



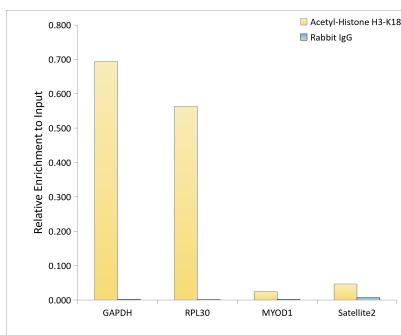
Validation Data



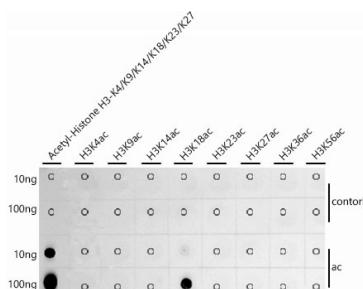
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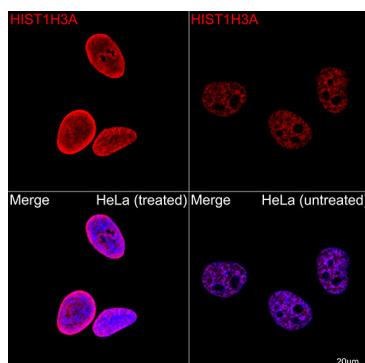
Immunoprecipitation of Acetyl-Histone H3-K18 from 100 µg extracts of HeLa cells treated with TSA (5mM, 16h) was performed using 3 µg of Acetyl-Histone H3-K18 Rabbit mAb (A22566). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Acetyl-Histone H3-K18 Rabbit mAb (A22566) at a dilution of 1:20000.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H3-K18 antibody (A22566) 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.



Dot-blot analysis of all sorts of peptides using Acetyl-Histone H3-K18 antibody (A22566) at 1:10000 dilution.

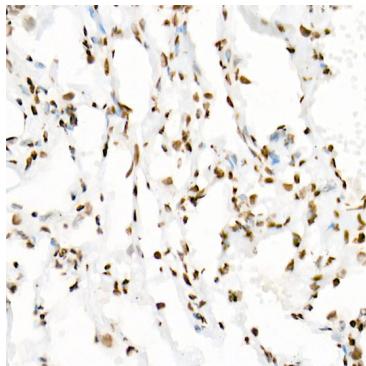


Confocal imaging of HeLa cells (treated with TSA) and HeLa cells (untreated) using Acetyl-Histone H3-K18 Rabbit mAb (A22566, dilution 1:1000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

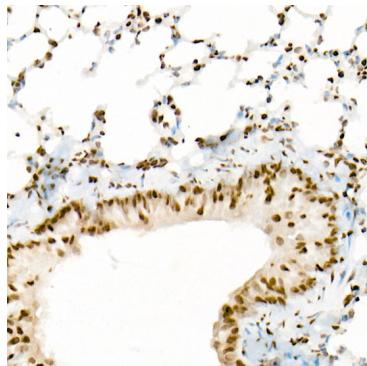


Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using Acetyl-Histone H3-K18 Rabbit mAb (A22566) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

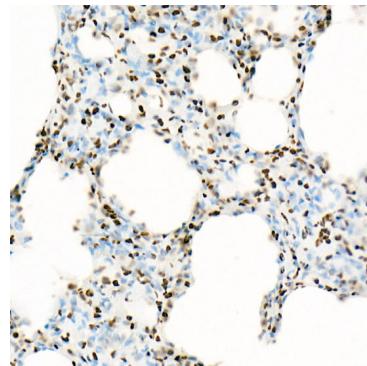
Validation Data



Immunohistochemistry analysis of paraffin-embedded Human lung using Acetyl-Histone H3-K18 Rabbit mAb (A22566) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse lung using Acetyl-Histone H3-K18 Rabbit mAb (A22566) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat lung using Acetyl-Histone H3-K18 Rabbit mAb (A22566) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.