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Acetyl-Histone H3-K18 Rabbit pAb

Catalog No.: A7257 **20 Publications**

Basic Information

Observed MW
17kDa

Calculated MW
15kDa

Category
Primary antibody

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

Cross-Reactivity
Human, Mouse, Rat, Other (Wide Range Predicted)

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order 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 but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3.

Recommended Dilutions

WB	1:500 - 1:1000
DB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	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

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/j; H3C1; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FJ; H3C10; H3C11; HIST1H3J; Acetyl-Histone H3-K18

Product Information

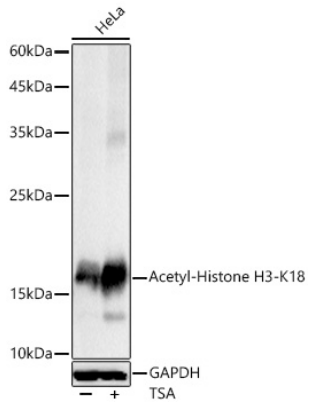
Source
Rabbit

Isotype
IgG

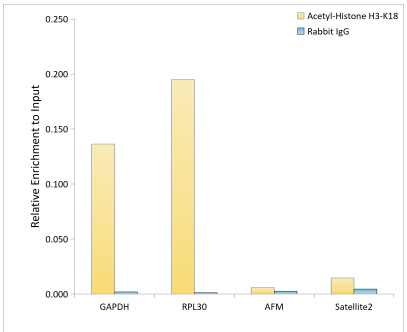
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

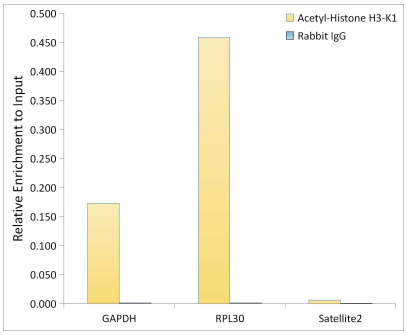
Validation Data



Western blot analysis of lysates from HeLa cells using Acetyl-Histone H3-K18 Rabbit pAb (A7257) at 1:1000 dilution. HeLa cells were treated with TSA (1 uM) at 37℃ for 18 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 0.5s.



Chromatin immunoprecipitation analysis of extracts of HCT116 cells, using Acetyl-Histone H3-K18 Rabbit pAb antibody (A7257) 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.



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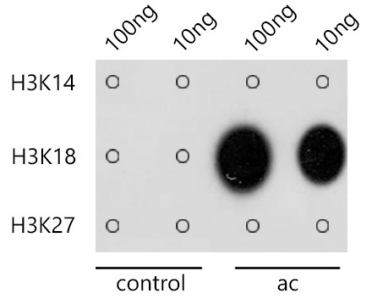
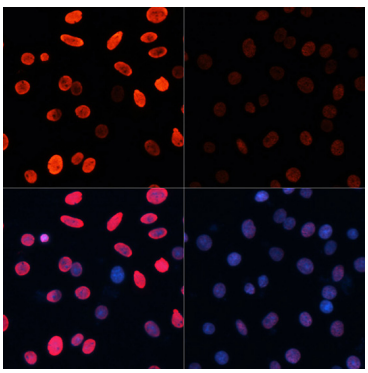
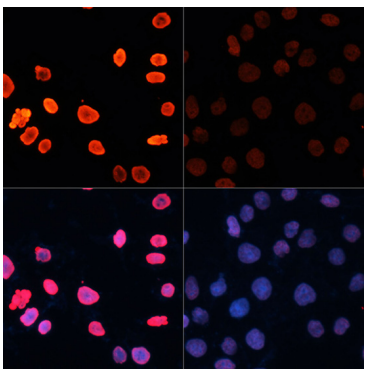




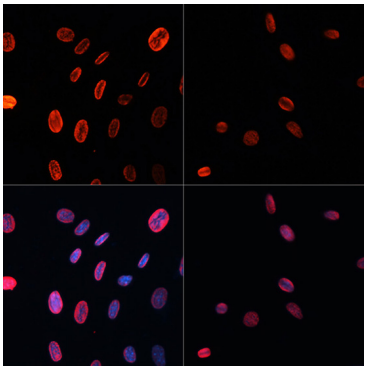


Validation Data

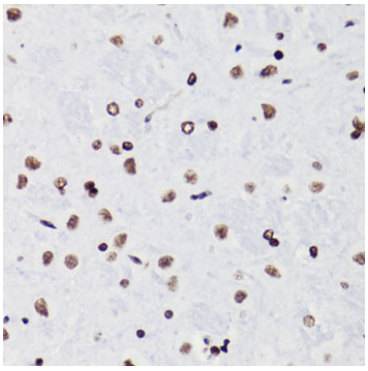
Dot-blot analysis of all sorts of methylation peptides using Acetyl-Histone H3-K18 antibody (A7257) at 1:1000 dilution.

Immunofluorescence analysis of C6 cells using Acetyl-Histone H3-K18 Rabbit pAb (A7257) at dilution of 1:100.C6 cells were treated with TSA (1 uM) at 37℃ for 18 hours. Blue: DAPI for nuclear staining.

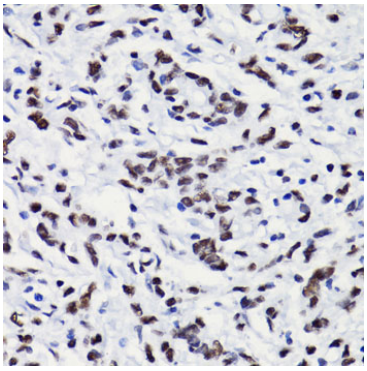
Immunofluorescence analysis of HeLa cells using Acetyl-Histone H3-K18 Rabbit pAb (A7257) at dilution of 1:100.HeLa cells were treated with TSA (1 uM) at 37℃ for 18 hours. Blue: DAPI for nuclear staining.



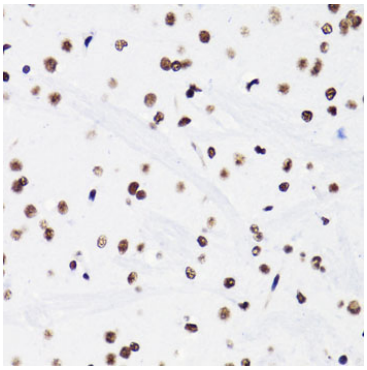
Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H3-K18 Rabbit pAb (A7257) at dilution of 1:100.NIH/3T3 cells were treated with TSA (1 uM) at 37℃ for 18 hours. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using Acetyl-Histone H3-K18 Rabbit pAb (A7257) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human gastric cancer using Acetyl-Histone H3-K18 Rabbit pAb (A7257) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using Acetyl-Histone H3-K18 Rabbit pAb (A7257) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.