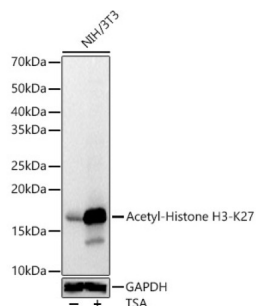
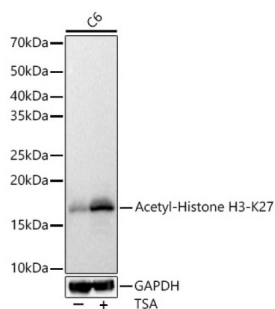


Histone H3K27AC Antibody

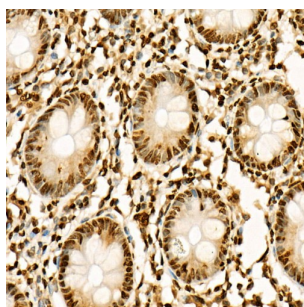
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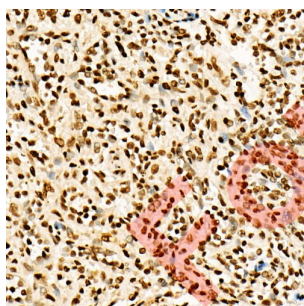
Western blot analysis of lysates from NIH/3T3 cells, using Acetyl-Histone H3-K27 Antibody at 1/2000 dilution. NIH/3T3 cells were treated by TSA (1 μ M) at 37 °C for 18 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 1s.



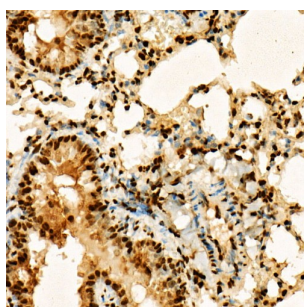
Western blot analysis of lysates from C6 cells, using Acetyl-Histone H3-K27 Antibody at 1/2000 dilution. C6 cells were treated by TSA (1 μ M) at 37 °C for 18 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 1s.



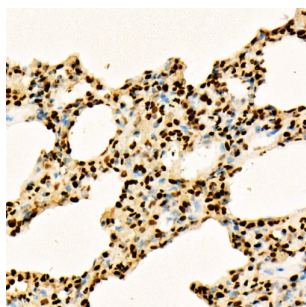
Immunohistochemistry analysis of paraffin-embedded Human colon using Acetyl-Histone H3-K27 Antibody at dilution of 1/200 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



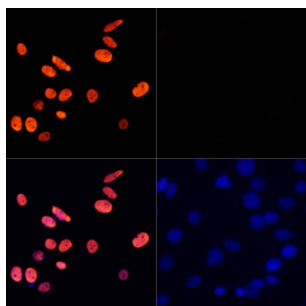
Immunohistochemistry analysis of paraffin-embedded Human spleen using Acetyl-Histone H3-K27 Antibody at dilution of 1/200 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



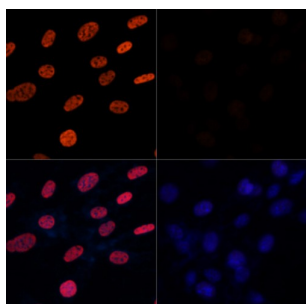
Immunohistochemistry analysis of paraffin-embedded Mouse lung using Acetyl-Histone H3-K27 Antibody at dilution of 1/200 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



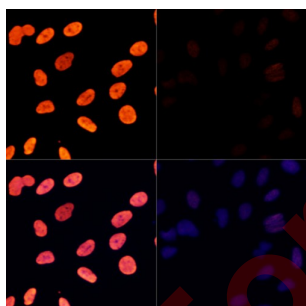
Immunohistochemistry analysis of paraffin-embedded Rat lung using Acetyl-Histone H3-K27 Antibody at dilution of 1/200 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



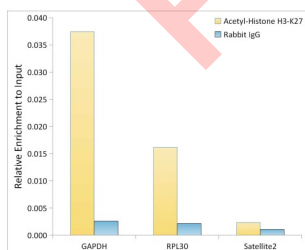
Immunofluorescence analysis of C6 cells treated by TSA (upper left) and untreated C6 cells (upper right) using Acetyl-Histone H3-K27 Antibody (red, A7253) at dilution of 1/100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells treated by TSA (upper left) and untreated NIH-3T3 cells (upper right) using Acetyl-Histone H3-K27 Antibody (red, A7253) at dilution of 1/100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells treated by TSA (upper left) and untreated U-2 OS cells (upper right) using Acetyl-Histone H3-K27 Antibody (red, A7253) at dilution of 1/100. Blue: DAPI for nuclear staining.



Chromatin immunoprecipitation was performed in cross-linked chromatin from 293T, using Acetyl-Histone H3-K27 Antibody antibody and rabbit IgG(AC005). The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram constructed the ratios of the ratio of the immunoprecipitated DNA versus the input.

Histone H3K27AC Antibody is a Rabbit Polyclonal antibody against Histone H3K27AC. Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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.

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to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

Target:	Histone H3K27AC
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IHC, IF/ICC, IP, ChIP
Host:	Rabbit
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/1000 - 1/5000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200, IP: 0.5 µg - 4 µg antibody per 200 µg - 400 µg extracts of whole cells, ChIP: 5 µg antibody per 5 µg - 10 µg of Chromatin, ChIP-seq: 1/20 - 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Synthetic peptide corresponding to Histone H3K27AC. The exact sequence is proprietary.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q16695 (UniProt , ExPASy)
Gene Symbol:	HIST3H3
GeneID:	8290
NCBI Accession:	NP_003520.1
KEGG:	hsa:8290
String:	9606.ENSP00000355657
Molecular Weight:	Calculated MW: 15 kDa Observed MW: 17 kDa

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Buffer: PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

Concentration: 1.55 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only