

## Histone H3K27AC antibody

Catalog No: #39193

Package Size: #39193-1 50ul #39193-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

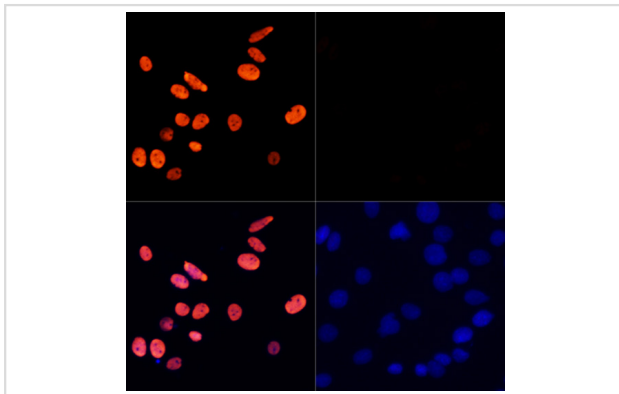
## Description

Product Name	Histone H3K27AC antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total Histone H3K27AC protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic acetylated peptide corresponding to residues surrounding K27 of human Histone H3.
Target Name	Histone
Other Names	H3t; H3.4; H3/g; H3FT;
Accession No.	Swiss-Prot#: Q16695NCBI Gene ID: 8290
Uniprot	Q16695
GeneID	8290;
SDS-PAGE MW	16kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

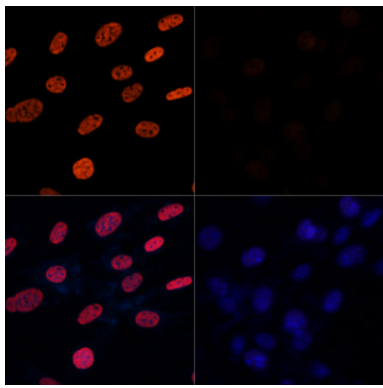
## Application Details

WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:200 ChIP 1:20 - 1:100 ChIPseq 1:20 - 1:100

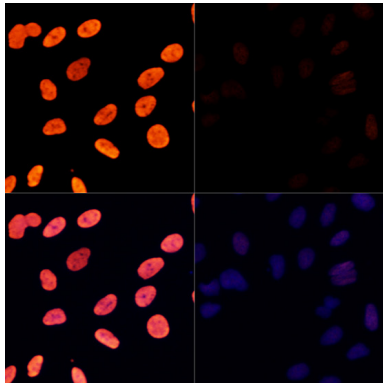
## Images



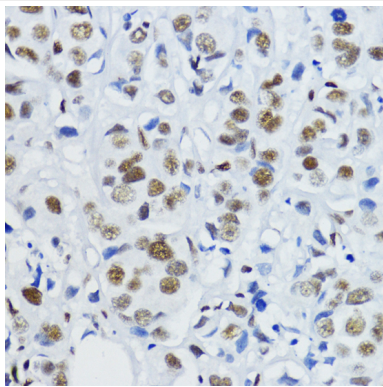
Immunofluorescence analysis of C6 cells treated by TSA (upper left) and untreated C6 cells (upper right) using Acetyl-Histone H3-K27 Rabbit pAb (red, A17559) at dilution of 1:100. Blue: DAPI for nuclear staining.



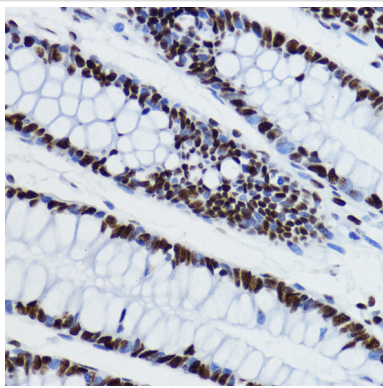
Immunofluorescence analysis of NIH-3T3 cells treated by TSA (upper left) and untreated NIH-3T3 cells(upper right) using Acetyl-Histone H3-K27 Rabbit pAb (red, A17559) at dilution of 1:100. Blue: DAPI for nuclear staining.



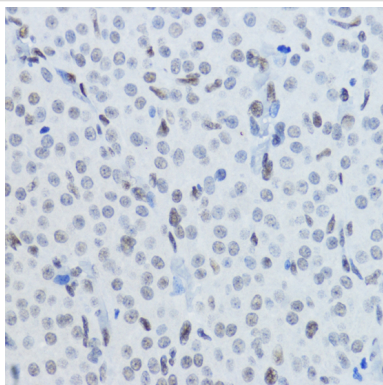
Immunofluorescence analysis of U-2 OS cells treated by TSA (upper left) and untreated U-2 OS cells (upper right) using Acetyl-Histone H3-K27 Rabbit pAb (red, A17559) at dilution of 1:100. Blue: DAPI for nuclear staining.



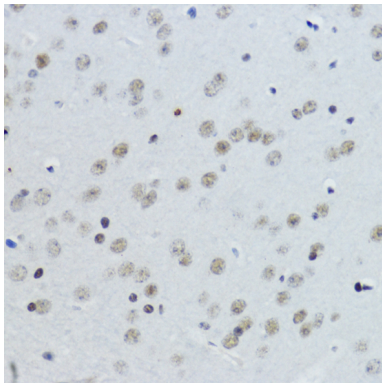
Immunohistochemistry of paraffin-embedded human mammary cancer using Acetyl-Histone H3-K27 at dilution of 1:200 (40x lens).



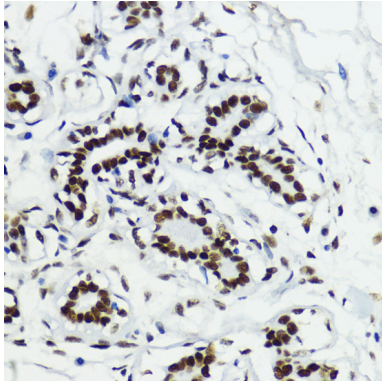
Immunohistochemistry of paraffin-embedded human colon using Acetyl-Histone H3-K27 at dilution of 1:200 (40x lens).



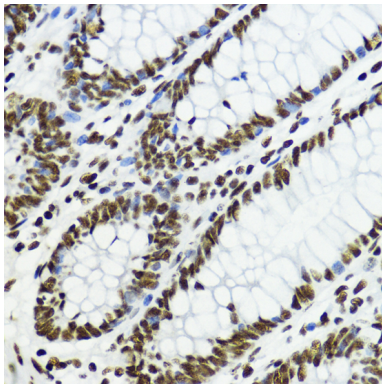
Immunohistochemistry of paraffin-embedded rat ovary using Acetyl-Histone H3-K27 at dilution of 1:200 (40x lens).



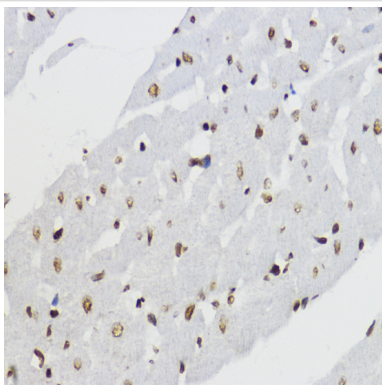
Immunohistochemistry of paraffin-embedded mouse brain using Acetyl-Histone H3-K27 at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human breast using Acetyl-Histone H3-K27 at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human colon using Acetyl-Histone H3-K27 at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded rat heart using Acetyl-Histone H3-K27 at dilution of 1:200 (40x lens).

## Background

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 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.

---

Note: This product is for in vitro research use only