Acetyl-Histone H3-K18 pAb

Catalog No: #30870

Package Size: #30870-1 50ul #30870-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

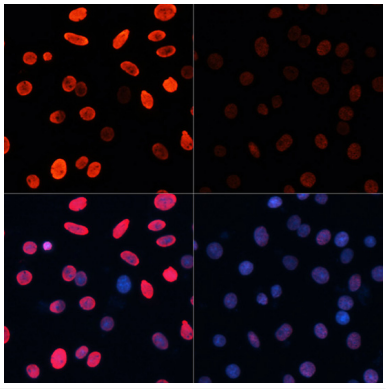
Description

Product Name	Acetyl-Histone H3-K18 pAb
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic acetylated peptide corresponding to residues surrounding K18 of human H3
Other Names	HIST1H3J; H3/j; H3FJ; histone H3.1
Accession No.	Swiss-Prot#:P68431NCBI Gene ID:8356
Uniprot	P68431
GeneID	8350;8351;8352;8353;8354;8355;8356;8357;8358;8968;
Calculated MW	16kDa
Formulation	Avoid freeze / thaw cycles.|Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

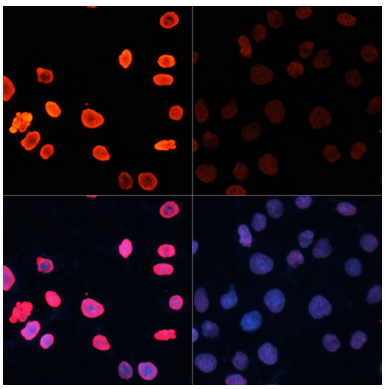
Application Details

WB□1:1000 - 1:3000IHC□1:200 - 1:500IF□1:500 - 1:1000IP□1:200 - 1:500ChIP□1:50 - 1:100ChIPseq□1:50 - 1:100

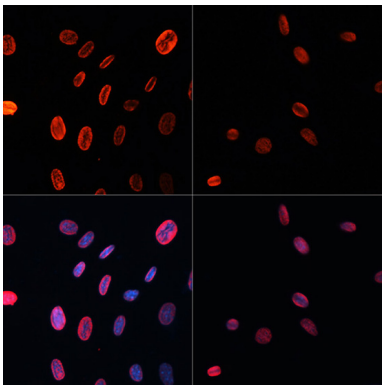
Images



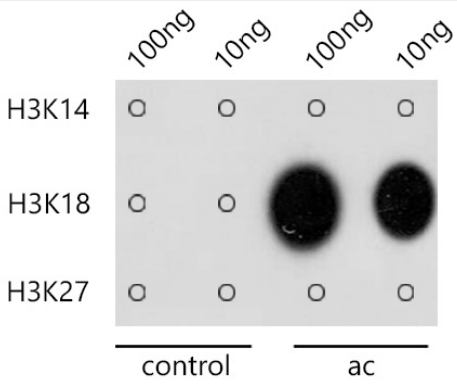
Immunofluorescence analysis of C6 cells using Acetyl-Histone H3-K18 at dilution of 1:100.C6 cells were treated by TSA (1 uM) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



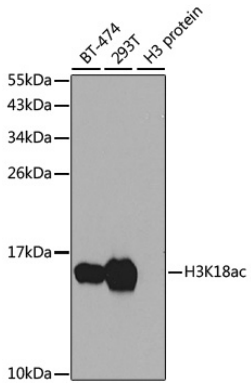
Immunofluorescence analysis of HeLa cells using Acetyl-Histone H3-K18 at dilution of 1:100.HeLa cells were treated by TSA (1 uM) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



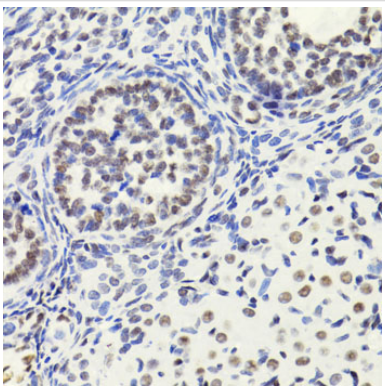
Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H3-K18 at dilution of 1:100.NIH/3T3 cells were treated by TSA (1 uM) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



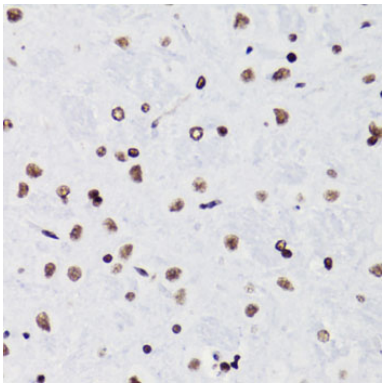
Dot-blot analysis of all sorts of methylation peptides using Acetyl-Histone H3-K18 at 1:1000 dilution.



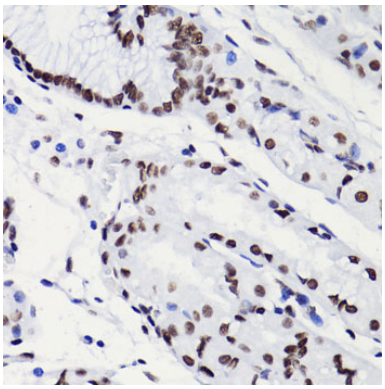
Western blot analysis of extracts of various cell lines, using Acetyl-Histone H3-K18 at 1:1000 dilution.



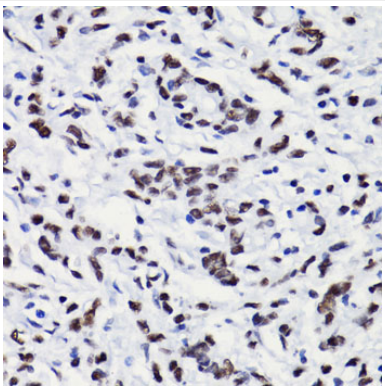
Immunohistochemistry of paraffin-embedded rat ovary using H3K18ac at dilution of 1:100 (40x lens).



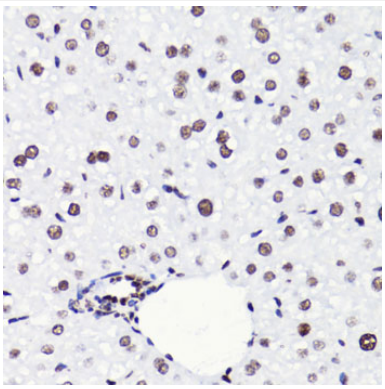
Immunohistochemistry of paraffin-embedded rat brain using H3K18ac at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using H3K18ac at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using H3K18ac at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse liver using H3K18ac at dilution of 1:100 (40x lens).

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.

Note: This product is for in vitro research use only