Product Datasheet

Acetyl-Histone H4-K16 pAb

Catalog No: #30648

Package Size: #30648-1 50ul #30648-2 100ul

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

Description

Product Name	Acetyl-Histone H4-K16 pAb
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IFo'O CHIP
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic acetylated peptide around K16 of human Histone H4 (NP_001029249.1).
Other Names	HIST2H4A; FO108; H4; H4/n; H4F2; H4FN; HIST2H4; histone H4
Accession No.	Swiss-Prot#:P62805NCBI Gene ID:8370
Uniprot	P62805
GeneID	121504;554313;8294;8359;8360;8361;8362;8363;8364;8365;8366;8367;8368;8370;
Calculated MW	13kDa
Formulation	Avoid freeze / thaw cycles.|Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

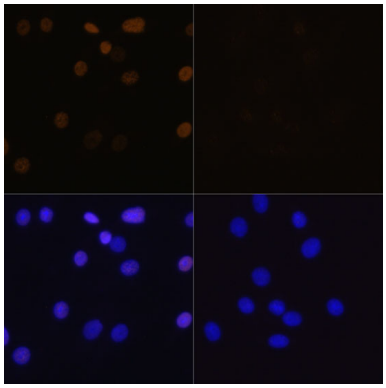
Application Details

WB□1:500 - 1:2000

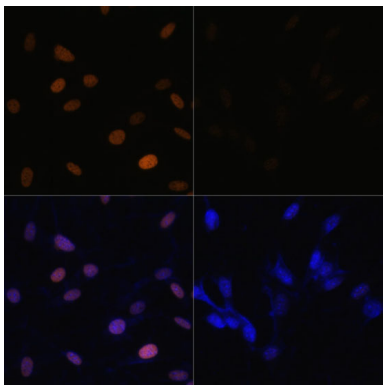
IF□1:50 - 1:200

ChIP□1:50 - 1:200

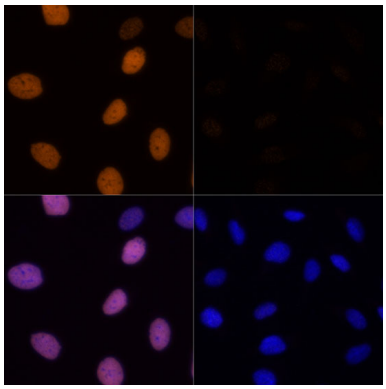
Images



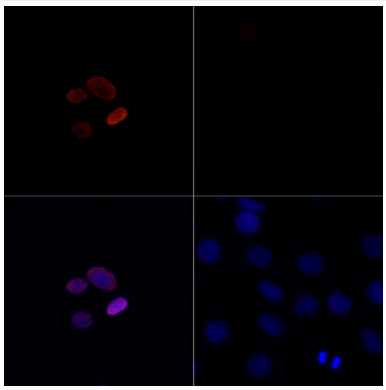
Immunofluorescence analysis of C6 cells using Acetyl-Histone H4-K16 at dilution of 1:100. Blue: DAPI for nuclear staining.C6 cells were treated by TSA (1 uM) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



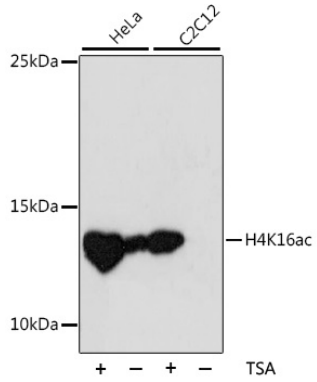
Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H4-K16 at dilution of 1:100. Blue: DAPI for nuclear staining.NIH/3T3 cells were treated by TSA (1 uM) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using Acetyl-Histone H4-K16 at dilution of 1:100. Blue: DAPI for nuclear staining.U2OS cells were treated by TSA (1 uM) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells treated by TSA (upper left) and untreated C6 cells (upper right) using Acetyl-Histone H4-K16 Rabbit pAb (red, A5280) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using Acetyl-Histone H4-K16 at 1:1000 dilution.

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 H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.

Note: This product is for in vitro research use only