

# Acetyl-Histone H4-K16 Rabbit Polyclonal Antibody

## CAB5280



### Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

13kDa

**Calculated MW:**

11kDa

**Applications:**

WB IF IP ChIP

**Reactivity:**

Human, Mouse, Rat, Other  
(Wide Range)

### Antibody Information

**Recommended dilutions:**

WB 1:500 - 1:2000 IF 1:50 -  
1:200 ChIP 1:50 - 1:200

**Source:**

Rabbit

**Isotype:**

IgG

**Purification:**

Affinity purification

### Protein 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.

### Immunogen information

**Gene ID:**

8370

**Uniprot**

P62805

**Synonyms:**

FO108; H4; H4/n; H4F2; H4FN; HIST2H4; Histone H4; HIST1H4A;  
HIST2H4A

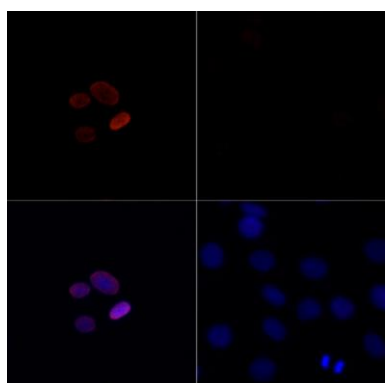
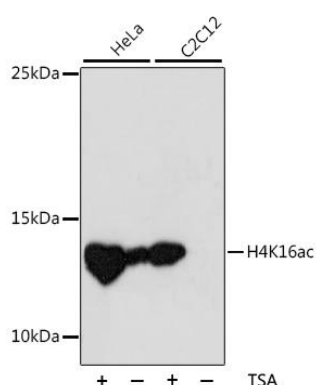
**Immunogen:**

A synthetic acetylated peptide around K16 of human Histone H4 (NP\_001029249.1).

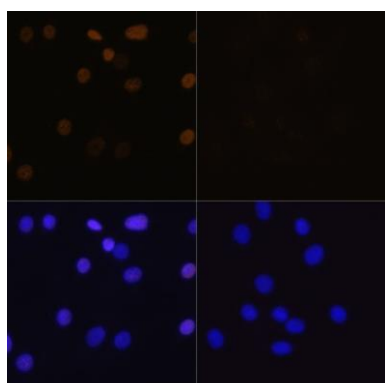
**Storage:**

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

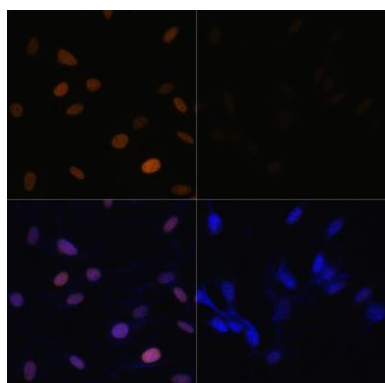
## Product Images



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.



Immunofluorescence analysis of C6 cells using Acetyl-Histone H4-K16 (CAB5280) 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 (CAB5280) 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.