

# Acetyl-Histone H4-K5 Rabbit Polyclonal Antibody



CAB15233

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

11kDa

### Calculated MW:

11kDa

### Applications:

WB IHC IF IP ChIP

### Reactivity:

Human, Mouse, Rat, Other  
(Wide Range)

## Antibody Information

### Recommended dilutions:

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

### 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

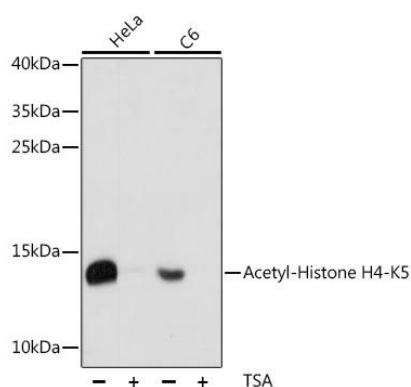
### Immunogen:

A synthetic acetylated peptide around K5 of human Histone H4  
(NP\_001029249.1).

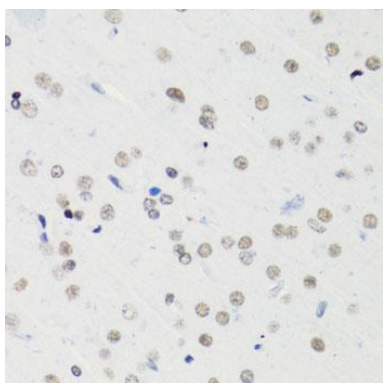
### Storage:

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

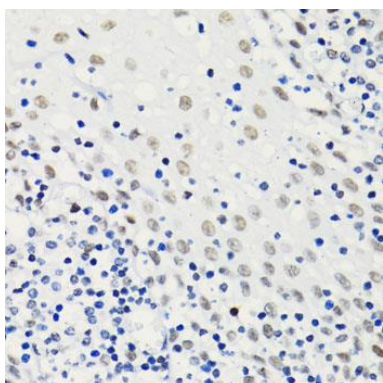
## Product Images



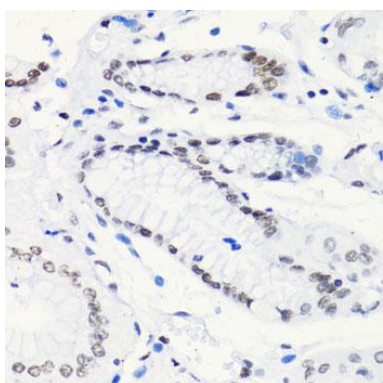
Western blot analysis of extracts of various cell lines, using Acetyl-Histone H4-K5 antibody (CAB15233) at 1:1000 dilution. HeLa cells were treated by TSA (1uM) for 18 hours. C6 cells were treated by TSA (1uM) for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.



Immunohistochemistry of paraffin-embedded rat brain using H4K5AC antibody (CAB15233) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human tonsil using H4K5AC antibody (CAB15233) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using H4K5AC antibody (CAB15233) at dilution of 1:100 (40x lens).