

A20764

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# Acetyl-Histone H4-K5/K8/K12/K16 Rabbit pAb

Catalog No.: A20764

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

11kDa

### Category

Polyclonal Antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human,Mouse,Rat,Other (Wide Range Predicted)

## 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.

## Recommended Dilutions

|       |               |
|-------|---------------|
| WB    | 1:100 - 1:500 |
| IHC-P | 1:50 - 1:200  |

## Immunogen Information

### Gene ID

8359

### Swiss Prot

P62805

### Immunogen

A synthetic acetylated peptide around K5/K8/K12/K16 of human Histone H4.

### Synonyms

H4; H4/n; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4F2; H4FN; FO108; H4-16; H4C11; H4C12; H4C13; H4C15; H4C16; HIST2H4; HIST2H4A; Acetyl-Histone H4-K5/K8/K12/K16

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

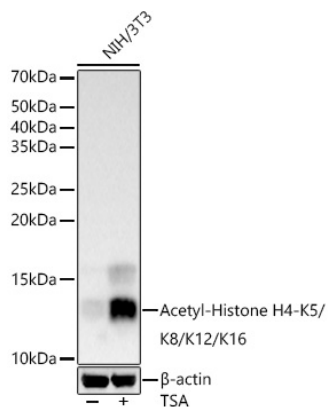
Affinity purification

### Storage

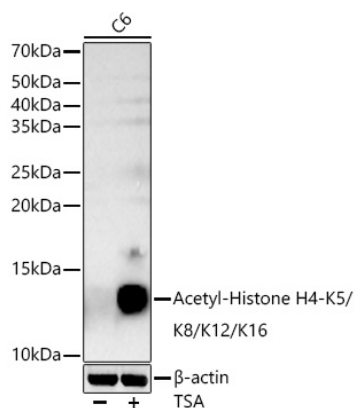
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

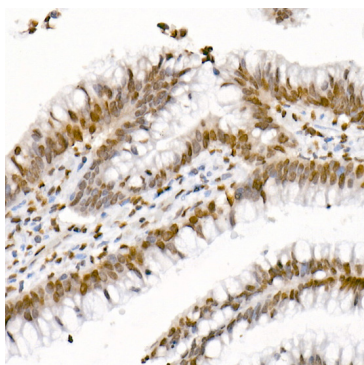
## Validation Data



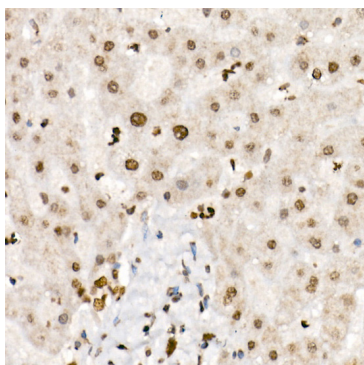
Western blot analysis of lysates from NIH/3T3 cells, using Acetyl-Histone H4-K5/K8/K12/K16 Rabbit pAb (A20764) at 1:500 dilution. NIH/3T3 cells were treated by TSA (1  $\mu$ M) at 37°C for 18 hours.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 5s.



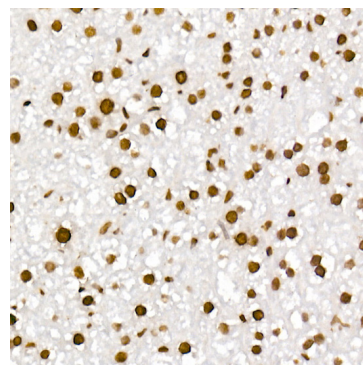
Western blot analysis of lysates from C6 cells, using Acetyl-Histone H4-K5/K8/K12/K16 Rabbit pAb (A20764) at 1:500 dilution. C6 cells were treated by TSA (1  $\mu$ M) at 37°C for 18 hours.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using Acetyl-Histone H4-K5/K8/K12/K16 Rabbit pAb (A20764) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



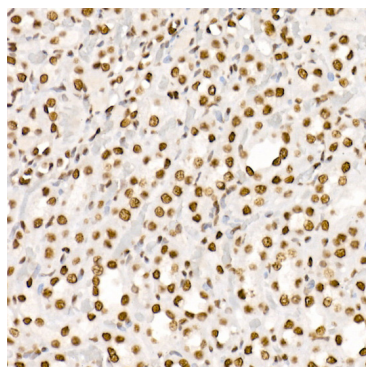
Immunohistochemistry analysis of paraffin-embedded Human liver using Acetyl-Histone H4-K5/K8/K12/K16 Rabbit pAb (A20764) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



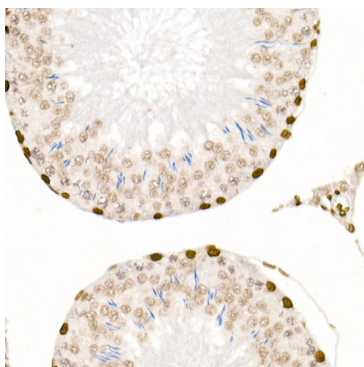
Immunohistochemistry analysis of paraffin-embedded Mouse liver using Acetyl-Histone H4-K5/K8/K12/K16 Rabbit pAb (A20764) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

## Validation Data

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Immunohistochemistry analysis of paraffin-embedded Rat kidney using Acetyl-Histone H4-K5/K8/K12/K16 Rabbit pAb (A20764) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis using Acetyl-Histone H4-K5/K8/K12/K16 Rabbit pAb (A20764) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.