# Acetyl-Histone H4-K5 Rabbit pAb

Catalog No.: A15233 3 Publications



## **Basic Information**

#### **Observed MW**

11kDa

#### **Calculated MW**

11kDa

#### Category

Primary antibody

### **Applications**

ELISA, WB, IHC-P, ChIP

#### **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** 1:500 - 1:2000

IHC-P 1:50 - 1:200

**ChIP** 5μg antibody for 5μg-10μg of Chromatin

## Immunogen Information

**Gene ID**8359

Swiss Prot
P62805

#### **Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Histone H4 (NP\_001029249.1).

## **Synonyms**

H4; H4/n; H4C1; H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4F2; H4FN; F0108; H4-16; H4C11; H4C12; H4C13; H4C15; H4C16; HIST2H4; HIST2H4A; Acetyl-Histone H4-K5

## **Contact**

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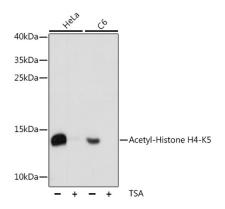
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

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

Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.



Western blot analysis of various lysates using Acetyl-Histone H4-K5 Rabbit pAb (A15233) at 1:1000 dilution. HeLa cells were treated by TSA (1uM) for 18 hours. C6 cells were treated by TSA (1uM) for 18 hours.

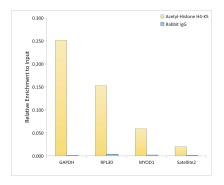
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

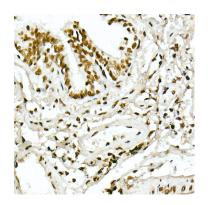
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

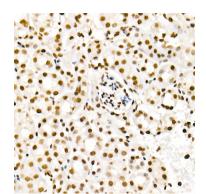
Exposure time: 30s.



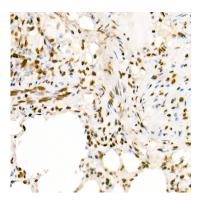
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H4-K5 Rabbit pAb antibody (A15233) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Immunohistochemistry analysis of Acetyl-Histone H4-K5 in paraffin-embedded human lung using Acetyl-Histone H4-K5 Rabbit pAb (A15233) at dilution of 1:20 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Acetyl-Histone H4-K5 in paraffin-embedded mouse kidney using Acetyl-Histone H4-K5 Rabbit pAb (A15233) at dilution of 1:20 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Acetyl-Histone H4-K5 in paraffin-embedded rat lung using Acetyl-Histone H4-K5 Rabbit pAb (A15233) at dilution of 1:20 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.