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 ID8359

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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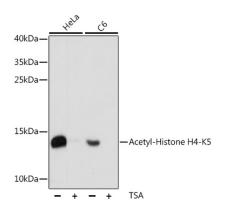
Product Information

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.

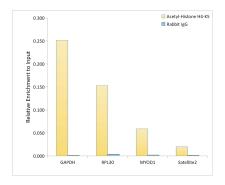
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

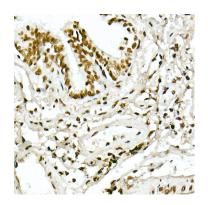
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

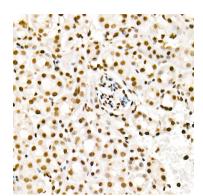
Exposure time: 30s.



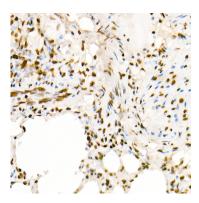
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H4-K5 Rabbit pAb antibody (A15233) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Immunohistochemistry analysis of paraffinembedded Human lung using Acetyl-Histone H4-K5 Rabbit pAb (A15233) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse kidney using Acetyl-Histone H4-K5 Rabbit pAb (A15233) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat lung using Acetyl-Histone H4-K5 Rabbit pAb (A15233) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.