A26289

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Acetyl-Histone H4-K5/K8/K12/K16 Rabbit mAb

Catalog No.: A26289 Recombinant 1 Publications

Basic Information

Observed MW
Refer to figures

Calculated MW
11kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
IF/ICC,ChIP,ELISA,DB

Cross-Reactivity
Human,Mouse,Rat

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order 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 but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.

Recommended Dilutions

DB	1:1000 - 1:2000
IF/ICC	1:200 - 1:800
ChIP	5μg antibody for 5μg-15μg of Chromatin
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
8359

Swiss Prot
P62805

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4FA; H4-16; H4C11; H4C12; H4C13; H4C14; H4C15; H4C16; HIST1H4A

Product Information

Source
Rabbit

Isotype
IgG

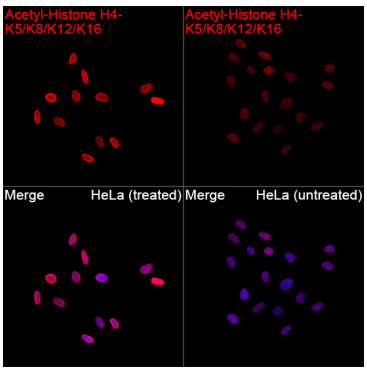
Purification
Affinity purification

Storage
Store at -20℃

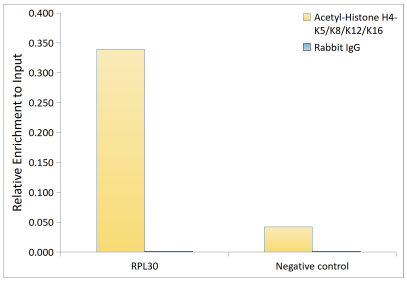
Contact

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Validation Data



Confocal imaging of HeLa cells (treated with TSA) and HeLa cells (untreated) cells using Acetyl-Histone H4-K5/K8/K12/K16 Rabbit mAb (A26289, dilution 1:300) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Chromatin immunoprecipitation was performed with 5 µg of cross-linked chromatin from HeLa cells, using 5 µg of Acetyl-Histone H4-K5/K8/K12/K16 Rabbit mAb (A26289) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.