

Acetyl-Histone H3-K9/K14/K18/K23/K27 Rabbit pAb

Catalog No.: A17917 2 Publications

Basic Information

Observed MW

17kDa

Calculated MW

15kDa

Category

Polyclonal Antibody

Applications

WB,IF/ICC,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 H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

Recommended Dilutions

WB 1:1000 - 1:5000

IF/ICC 1:50 - 1:200

ELISA Recommended starting

concentration is 1 µg/mL. Please optimize the concentration based on your specific

assay requirements.

Immunogen Information

 Gene ID
 Swiss Prot

 8290/8350
 Q16695/P68431

Immunogen

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

Synonyms

H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A; Acetyl-Histone H3-K9/K14/K18/K23/K27

Contact

www.abclonal.com

Product Information

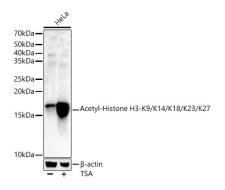
SourceIsotypePurificationRabbitIgGAffinity purification

Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from HeLa cells, using Acetyl-Histone H3-K9/K14/K18/K23/K27 Rabbit pAb (A17917) at 1:5000 dilution. HeLa cells were treated with TSA (1 uM) at 37° C for 18 hours.

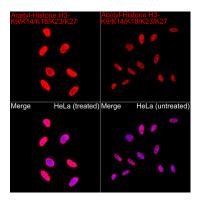
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Immunofluorescence analysis of HeLa treated with TSA(1 uM,4 hours) and HeLa cells using Acetyl-Histone H3-K9/K14/K18/K23/K27 Rabbit pAb(A17917) at a dilution of 1:100 (40x lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.