# Acetyl-Histone H3-K4 Rabbit pAb

Catalog No.: A17019 1 Publications



## **Basic Information**

**Observed MW** 17kDa/

**Calculated MW** 16kDa

Category **Polyclonal Antibody** 

Applications WB, 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. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 replicationdependent 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 located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

# **Recommended Dilutions**

1:500 - 1:1000

# **Immunogen Information**

WB

#### Gene ID 8290/8350

Swiss Prot Q16695/P68431

#### Immunogen

A synthetic acetylated peptide around K4 of human Histone H3 (NP\_003484.1).

### **Synonyms**

H3t; H3.4; H3/q; H3FT; H3C16; HIST3H3; Acetyl-Histone H3-K4

Contact
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# **Product Information**

Ð www.abclonal.com

Source Rabbit

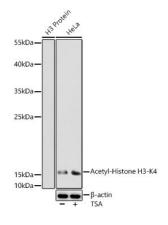
Isotype IgG

Purification Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

# Validation Data



Western blot analysis of lysates from HeLa cells using Acetyl-Histone H3-K4 Rabbit pAb (A17019) at 1:1000 dilution. HeLa cells were treated by TSA (1 uM) at 37°C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 300s.