

#T916077

## Acetyl-Histone H3-K36 Rabbit pAb

50  $\mu$ l

100  $\mu$ l



**Orders** ■ 400-6123-828

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### 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 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 located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

### Alternative Names

H3.4;H3/g;H3FT;H3t;HIST3H3;Histone H3;HIST1H3A

### SOURCE

A synthetic acetylated peptide around K36 of human Histone H3.

### STORAGE

Store at -20 °C Stable for one year from the date of shipment.

### REACTIVITY

Human, Mouse, Rat, Other (Wide Range)

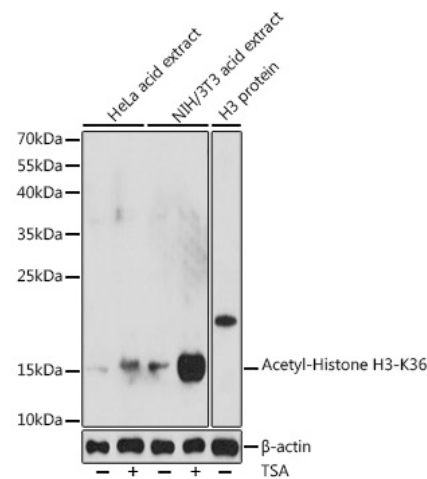
### ISOTYPE

Rabbit IgG

### RECOMMENDED ANTIBODY DILUTIONS

Western blotting	1:500-1:2000
IF/IHC/IP	1:50-1:200
ChIP	1:20-1:100

### APPLICATION



Western blot analysis of extracts of various cell lines, using Acetyl-Histone H3-K36 antibody at 1:1000 dilution. HeLa cells and NIH/3T3 cells were treated by TSA (1  $\mu$ M) at 37 °C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane.