

## Product datasheet for **TA377067**

### H3FJ (HIST1H3J) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ChIP, ChIP-seq, ICC/IF, IHC, IP, WB
Recommended Dilution:	WB,1:1000 - 1:3000 IHC,1:200 - 1:500 IF,1:500 - 1:1000 IP,1:200 - 1:500 ChIP,1:50 - 1:100 ChIP-seq,1:50 - 1:100
Reactivity:	Human, Mouse, Rat, Other (Wide Range)
Modifications:	Acetyl K18
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic acetylated peptide corresponding to residues surrounding K18 of human H3
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	15kDa
Gene Name:	histone cluster 1, H3j
Database Link:	<a href="#">Entrez Gene 8356 Human P68431</a>



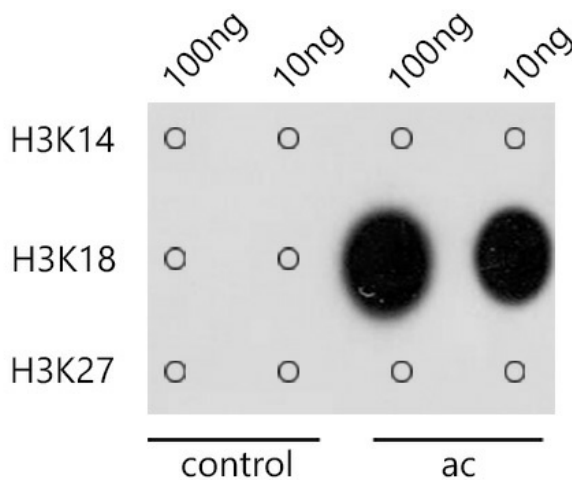
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**Background:**

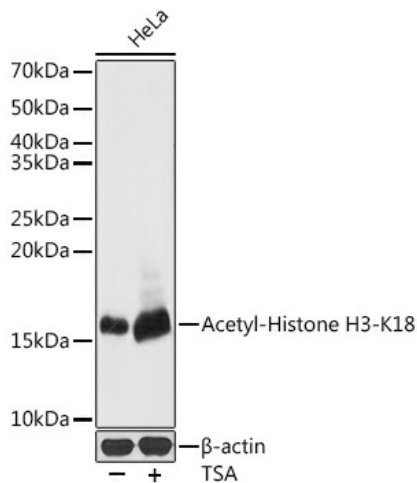
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. 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 H3 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3.

**Synonyms:**

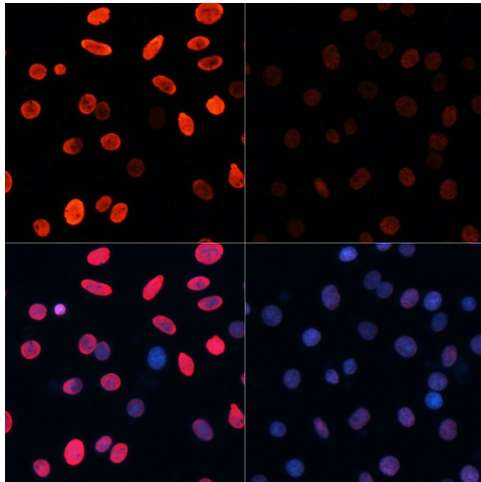
H3/a; H3/b; H3/c; H3/d; H3/f; H3/h; H3/i; H3/j; H3/k; H3/l; H3FA; H3FB; H3FC; H3FD; H3FF; H3FH; H3FI; H3FJ; H3FK; H3FL

**Product images:**


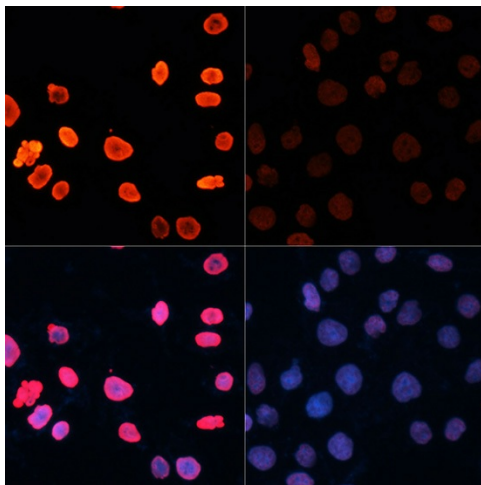
Dot-blot analysis of all sorts of methylation peptides using Acetyl-Histone H3-K18 antibody (TA377067) at 1:1000 dilution.



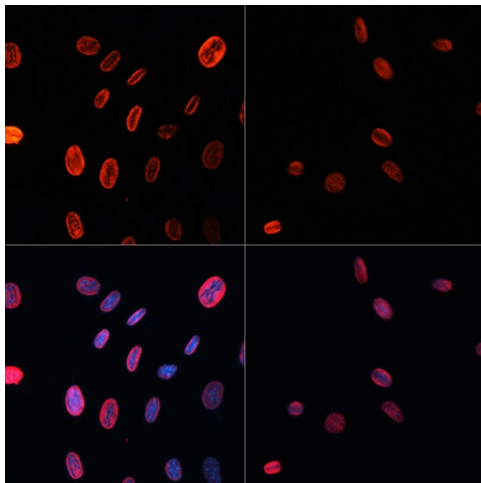
Western blot analysis of extracts of HeLa cells, using Acetyl-Histone H3-K18 antibody (TA377067) at 1:500 dilution. HeLa cells were treated by TSA (1 uM) at 37°C for 18 hours. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 1s.



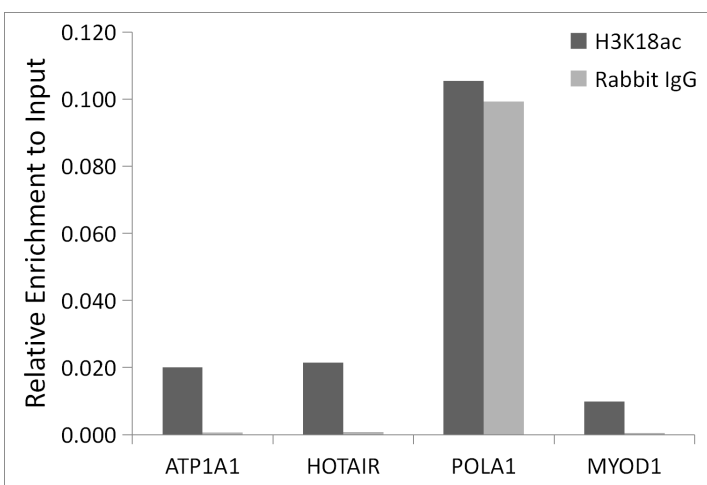
Immunofluorescence analysis of C6 cells using Acetyl-Histone H3-K18 antibody (TA377067) at dilution of 1:100. C6 cells were treated by TSA (1  $\mu$ M) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using Acetyl-Histone H3-K18 antibody (TA377067) at dilution of 1:100. HeLa cells were treated by TSA (1  $\mu$ M) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H3-K18 antibody (TA377067) at dilution of 1:100. NIH/3T3 cells were treated by TSA (1  $\mu$ M) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H3-K18 antibody (TA377067) 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.