

Product datasheet for **TA377056**

H3FT (HIST3H3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ChIP, ICC/IF, WB
Recommended Dilution:	WB,1:500 - 1:2000 IF,1:50 - 1:100 ChIP,1:50 - 1:200
Reactivity:	Human, Mouse, Rat, Other (Wide Range)
Modifications:	Acetyl K4
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic acetylated peptide around K4 of human Histone H3 (NP_003484.1).
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 3, H3
Database Link:	Entrez Gene 8290 Human Q16695



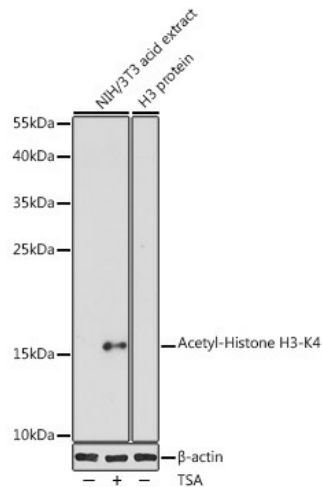
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Background:

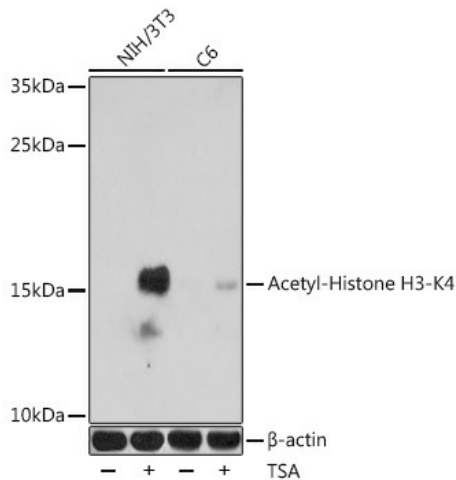
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber 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.

Synonyms:

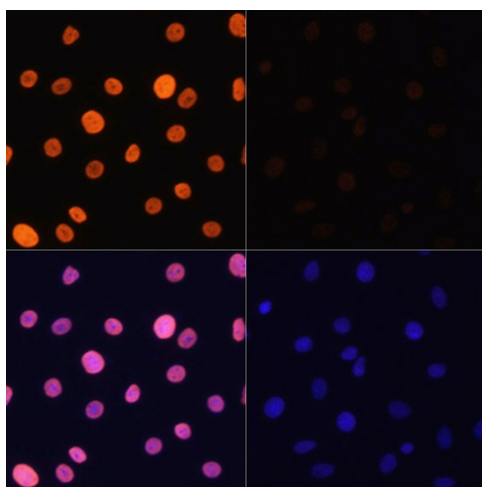
H3.4; H3/g; H3/t; H3FT; H3t; MGC126886; MGC126888

Product images:


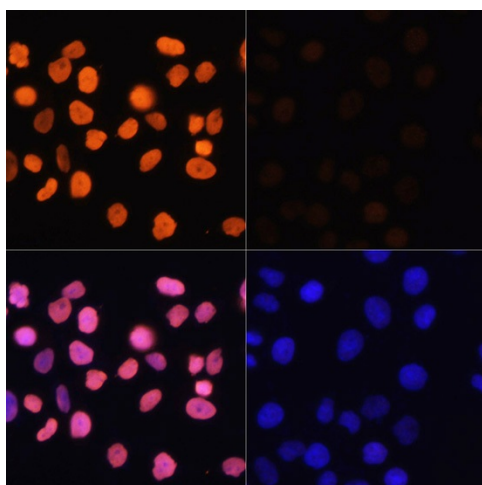
Western blot analysis of extracts of NIH/3T3 cells, using Acetyl-Histone H3-K4 antibody (TA377056) at 1:1000 dilution. NIH/3T3 cells were treated by TSA (1 uM) at 37°C for 18 hours. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 300s.



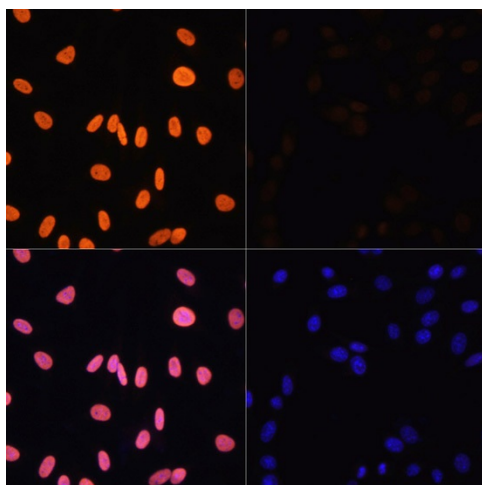
Western blot analysis of extracts of various cell lines, using Acetyl-Histone H3-K4 antibody (TA377056) at 1:1000 dilution. NIH/3T3 cells were treated by TSA (1 uM) at 37°C for 18 hours. C6 cells were treated by TSA (1 uM) at 37°C for 18 hours. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 90s.



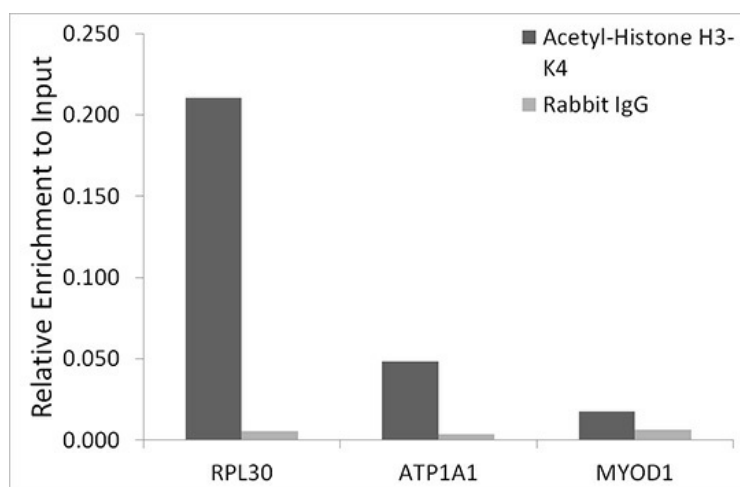
Immunofluorescence analysis of C6 cells using Acetyl-Histone H3-K4 antibody (TA377056) at dilution of 1:100. C6 cells were treated by TSA (1 μ M) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using Acetyl-Histone H3-K4 antibody (TA377056) at dilution of 1:100. HeLa cells were treated by TSA (1 μ M) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H3-K4 antibody (TA377056) at dilution of 1:100. NIH/3T3 cells were treated by TSA (1 μ M) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H3-K4 antibody (TA377056) 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.