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Product datasheet for TA327355

H3FT (HIST3H3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ChIP, ChIP-seq, ICC/IF, IHC, IP, WB
Recommended Dilution:	WB 1:500 - 1:1000;IF 1:50- 1:200;IP 1:50- 1:200;ChIP 1:50- 1:200
Reactivity:	Human, Mouse, Rat, Other (Wide Range)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptideof human Histone H3K79me2
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	histone cluster 3, H3
Database Link:	NP_003484 Entrez Gene 691496 RatEntrez Gene 8290 Human Q16695
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 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.

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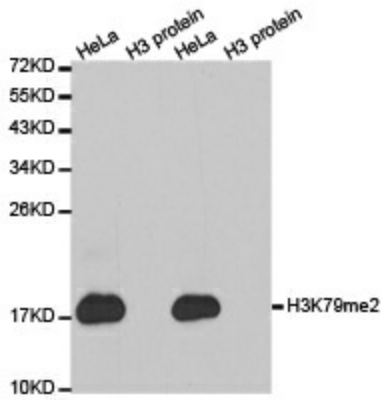
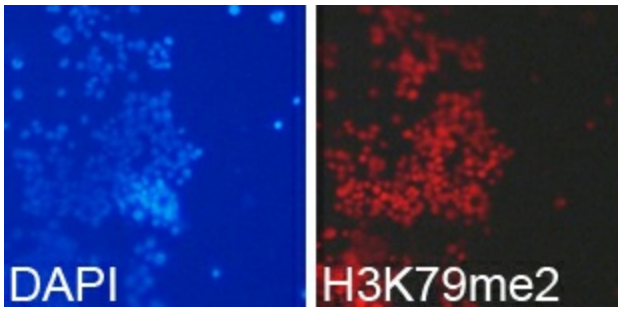
Synonyms: g; H3; H3.4; H3FT; H3t

Protein Pathways: Systemic lupus erythematosus

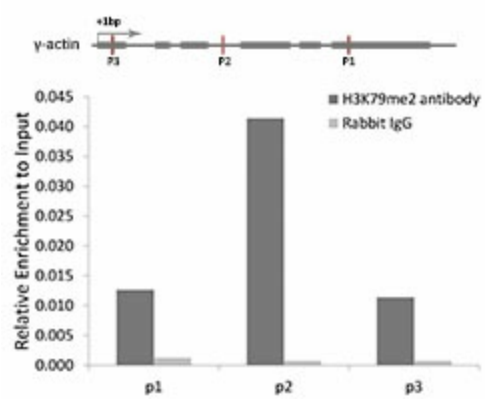
Product images:



Western blot analysis of extracts of HeLa cell line and H3 protein expressed in E.coli., using DiMethyl-Histone H3-K79 antibody.



Immunofluorescence analysis of 293T cell using DiMethyl-Histone H3-K79 antibody. Blue: DAPI for nuclear staining.



Chromatin immunoprecipitation analysis of ¦Ã-actin gene from 293 cell line, using DiMethyl-Histone H3-K79 antibody and rabbit IgG. P1, P2 and P3 were probes located on ¦Ã-actin gene as the schematic diagram illustrated. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.