

## Product datasheet for **TA327573S**

### H3FT (HIST3H3) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:20 - 1:50
Reactivity:	Human, Mouse, Rat, Other (Wide Range)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic methylated peptide corresponding to residues surrounding K14 of human histone H3
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.
Predicted Protein Size:	15 kDa
Gene Name:	histone cluster 3, H3
Database Link:	<a href="#">NP_003484</a> <a href="#">Entrez Gene 691496 Rat</a> <a href="#">Entrez Gene 8290 Human</a> <a href="#">Q16695</a>



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**Background:**

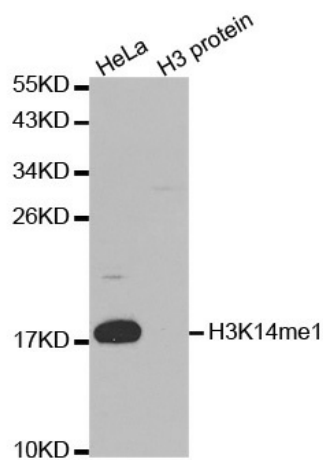
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber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

g; H3; H3.4; H3FT; H3t

**Protein Pathways:**

Systemic lupus erythematosus

**Product images:**

Western blot analysis of extracts of HeLa and H3 protein, using H3K14me1 antibody.