

Product datasheet for **TA377062**

H3FT (HIST3H3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ChIP, IHC, IP, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:50 - 1:200 IP,1:50 - 1:200 ChIP,1:50 - 1:200
Reactivity:	Human, Mouse, Rat, Other (Wide Range)
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 50 to the C-terminus of human HIST3H3 (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



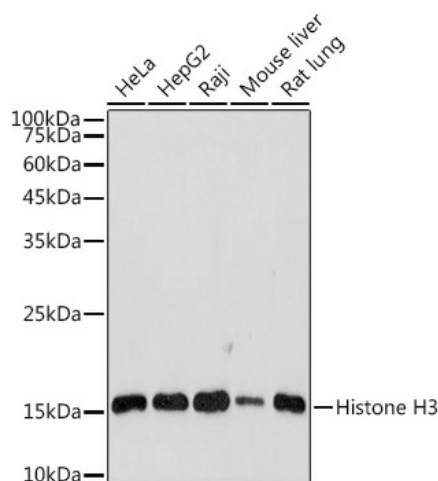
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Background:

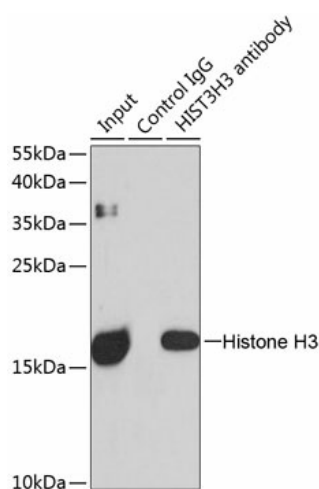
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber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

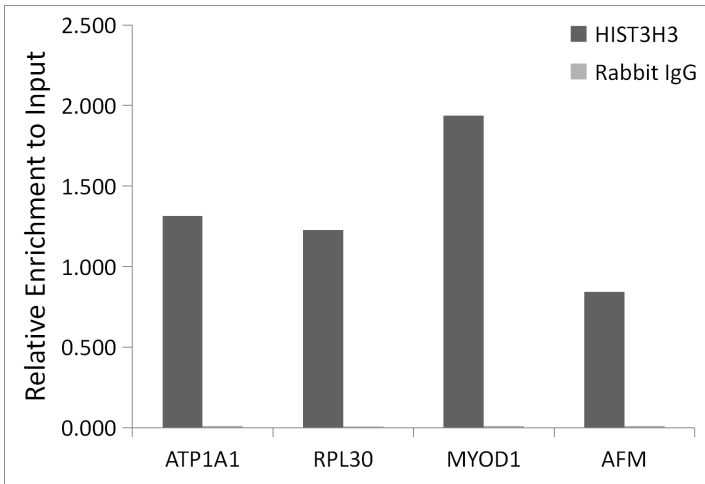
H3.4; H3/g; H3/t; H3FT; H3t; MGC126886; MGC126888

Product images:


Western blot analysis of extracts of various cell lines, using Histone H3 antibody (TA377062) at 1:10000 dilution. | 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: 60s.



Immunoprecipitation analysis of 150ug extracts of MCF7 cells using 3ug Histone H3 antibody (TA377062). Western blot was performed from the immunoprecipitate using Histone H3 antibody (TA377062) at a dilution of 1:500.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Histone H3 antibody (TA377062) 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.