

Product datasheet for TA377068S

H3FT (HIST3H3) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ICC/IF, IHC, WB

Recommended Dilution: WB,1:500 - 1:2000

IHC,1:50 - 1:200 IF,1:50 - 1:200

Reactivity: Human, Mouse, Rat, Other (Wide Range)

Modifications: TriMethyl K56

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: A synthetic trimethylated peptide around K64 of human Histone H3 (NP_003520.1).

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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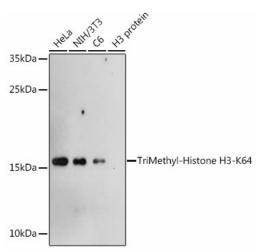
Background:

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.

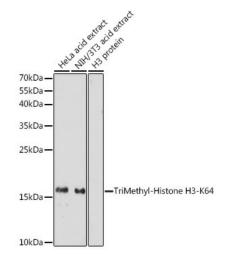
Synonyms:

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

Product images:

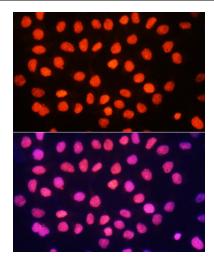


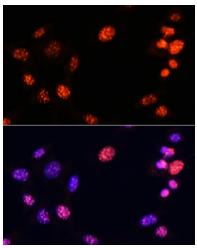
Western blot analysis of extracts of various cell lines, using TriMethyl-Histone H3-K64 antibody ([TA377068]) at 1:1000 dilution.|Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.|Lysates/proteins: 25ug per lane.|Blocking buffer: 3% nonfat dry milk in TBST.|Detection: ECL Basic Kit.|Exposure time: 150s.



Western blot analysis of extracts of various cell lines, using TriMethyl-Histone H3-K64 antibody ([TA377068]) at 1:1000 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: 120s.







Immunofluorescence analysis of HeLa cells using TriMethyl-Histone H3-K64 antibody ([TA377068]) at dilution of 1:100. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of NIH/3T3 cells using TriMethyl-Histone H3-K64 antibody ([TA377068]) at dilution of 1:100. Blue: DAPI for nuclear staining.