

Product datasheet for TA377074

H3FA (HIST1H3A) 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: Phospho S10/T11

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: A phospho specific peptide corresponding to residues surrounding S10/T11 of human

Histone H3.

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 1, H3a

Database Link: Entrez Gene 8350 Human

P68431



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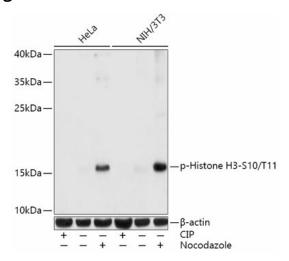
Background:

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015]

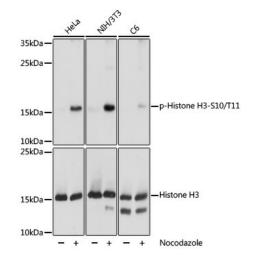
Synonyms:

H3/A; H3/b; H3/c; H3/d; H3/f; H3/h; H3/j; H3/k; H3/l; H3FA; H3FB; H3FC; H3FD; H3FF; H3FH; H3FI; H3FI; H3FK; H3FL

Product images:

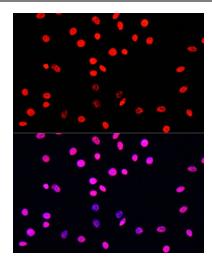


Western blot analysis of extracts of various cell lines, using Phospho-Histone H3-S10/T11 antibody (TA377074) at 1:1000 dilution. Both NIH/3T3 cells and Hela cells were treated by CIP(20uL/400ul) at 37°C for 1 hour and treated by nocodazole (50 ng/mL) at 37°C for 20 hours. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA. | Detection: ECL Basic Kit. | Exposure time: 1s.

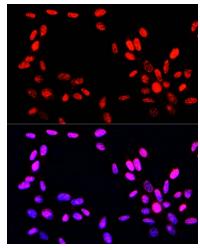


Western blot analysis of extracts of NIH/3T3 cells, using phospho-STK4-T387 pAb (TA377074) at 1:1000 dilution or Histone H3 antibody (A15741).HeLa,NIH/3T3 and C6 cellls were treated by nocodazole (50 ng/mL) at 37°C for 20 hours. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA. | Detection: ECL Basic Kit. | Exposure time: 1s.

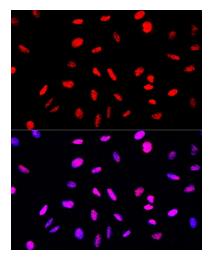




Immunofluorescence analysis of C6 cells using Phospho-Histone H3-S10/T11 Rabbit pAb (TA377074) at dilution of 100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using Phospho-Histone H3-S10/T11 Rabbit pAb (TA377074) at dilution of 100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using Phospho-Histone H3-S10/T11 Rabbit pAb (TA377074) at dilution of 100 (40x lens). Blue: DAPI for nuclear staining.