

Phospho-Histone H3-T3 Antibody kit

Catalog No.: RK05771

Basic Information

Observed MW

17kDa

Calculated MW

15kDa

Category

Primary antibody

Recommended Dilutions

AP0846 WB 1:500 - 1:2000**A2348 WB** 1:2000 - 1:10000For more information please visit
www.abclonal.com

Product Information

Source Rabbit
Isotype IgG**Purification**



Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

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.

Component

Catalog No.	Product Name	Applications	Cross-Reactivity
AP0846	Phospho-Histone H3-T3 Rabbit pAb	ELISA, WB	Human, Mouse, Rat, Other (Wide Range Predicted)
A2348	Histone H3 Rabbit pAb	ELISA, WB, IHC-P, IF/ICC, IP, ChIP	Human, Mouse, Rat, Other (Wide Range Predicted)

Immunogen Information

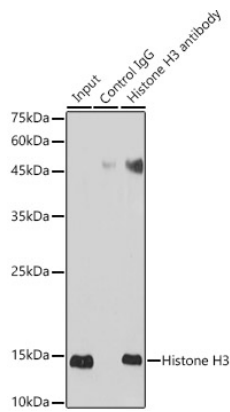
Gene ID
8290/8350**Swiss Prot**
Q16695/P68431**Immunogen**

A synthetic phosphorylated peptide around T3 of human HIST1H3A (NP_003520.1).
A synthetic peptide corresponding to a sequence within amino acids 36-136 of human HIST3H3 (NP_003520.1).

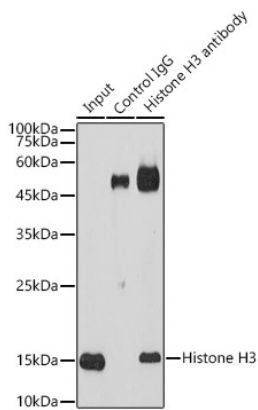
Synonyms

H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A

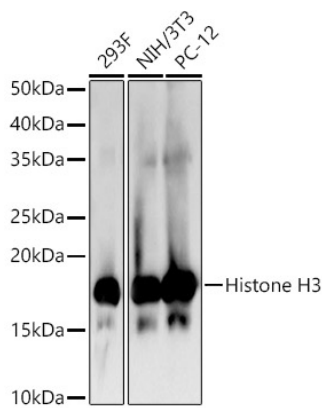
Validation Data



Immunoprecipitation analysis of 600 µg extracts of HeLa cells using 10ug Histone H3 antibody (A2348). Western blot was performed from the immunoprecipitate using Histone H3 antibody (A2348) at a dilution of 1:30000.

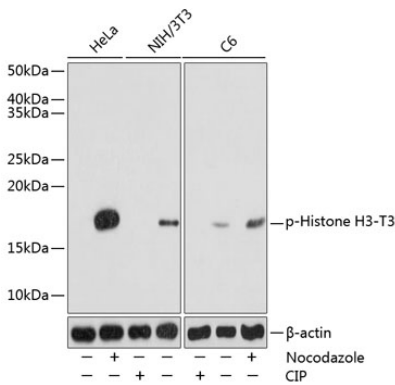


Immunoprecipitation analysis of 600 µg extracts of HeLa cells using 10ug Histone H3 antibody (A2348). Western blot was performed from the immunoprecipitate using Histone H3 antibody (A2348) at a dilution of 1:30000.

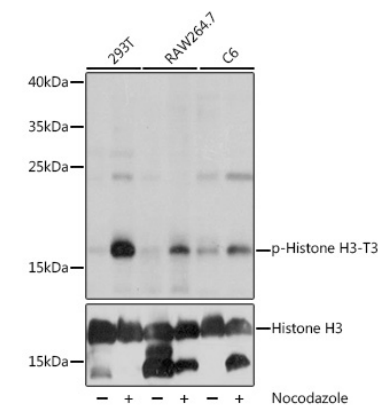


Western blot analysis of various lysates using Histone H3 Rabbit pAb (A2348) at 1:10000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates / proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

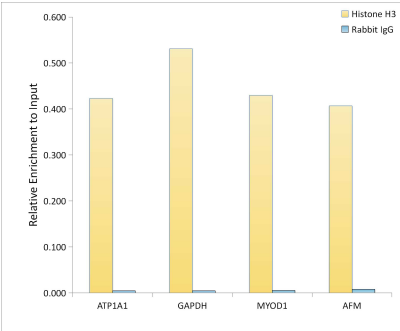
Validation Data



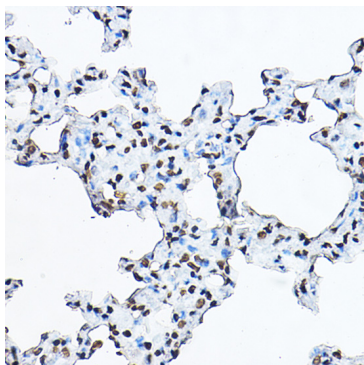
Western blot analysis of various lysates using Phospho-Histone H3-T3 pAb (AP0846) at 1:1000 dilution. C6 and HeLa cells were treated by Nocodazole (50 ng/mL) at 37°C for 20 hours. C6 and NIH/3T3 cells were treated by CIP (20uL/400ul) at 37°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



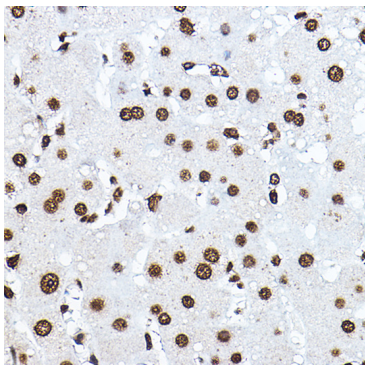
Western blot analysis of various lysates using Phospho-Histone H3-T3 pAb (AP0846) at 1:1000 dilution or Histone H3 antibody (A2348). Both 293T cells and Raw264.7 cells were treated by Nocodazole (100 ng/mL) at 37°C for 16 hours. C6 cells were treated by Nocodazole (50 ng/mL) at 37°C for 20 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25μg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



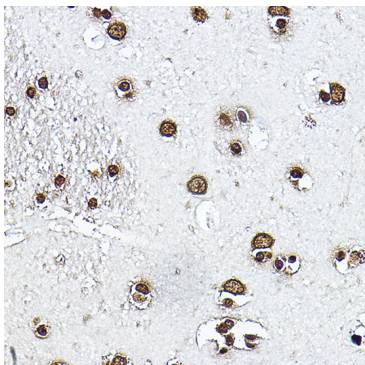
Chromatin immunoprecipitation analysis of extracts of 293T cells, using Histone H3 antibody (A2348) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



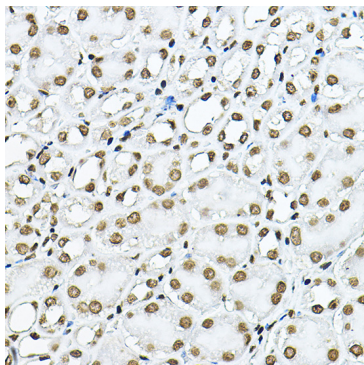
Immunohistochemistry analysis of Histone H3 in paraffin-embedded rat lung using Histone H3 Rabbit pAb (A2348) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



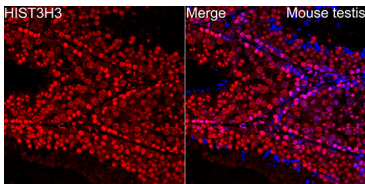
Immunohistochemistry analysis of Histone H3 in paraffin-embedded human liver using Histone H3 Rabbit pAb (A2348) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



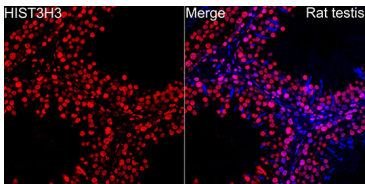
Immunohistochemistry analysis of Histone H3 in paraffin-embedded human brain using Histone H3 Rabbit pAb (A2348) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Histone H3 in paraffin-embedded mouse kidney using Histone H3 Rabbit pAb (A2348) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.Immunofluorescence analysis of paraffin-embedded mouse testis using Histone H3 Rabbit pAb (A2348) at dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.Immunofluorescence analysis of paraffin-embedded rat testis using Histone H3 Rabbit pAb (A2348) at dilution of 1:200 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.