Anti-Histone H3 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P104765

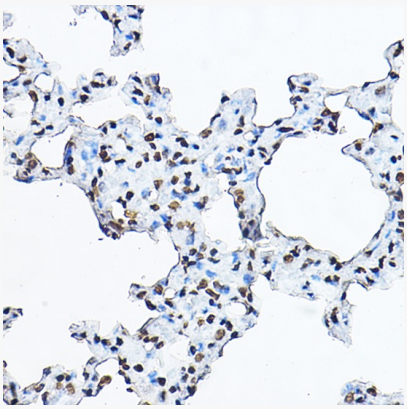
Product Information

Application	WB, IP, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat, Other (Wide Range Predicted)
Dilution	WB 1:2000~1:10000; IP 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells; IF 1:50~1:200; IHC-P 1:50~1:200; ChIP 3μg antibody for 5μg-10μg of Chromatin
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 36-136 of human HIST3H3 (NP_003520.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20℃. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20℃ storage.
Precautions	Anti-Histone H3 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

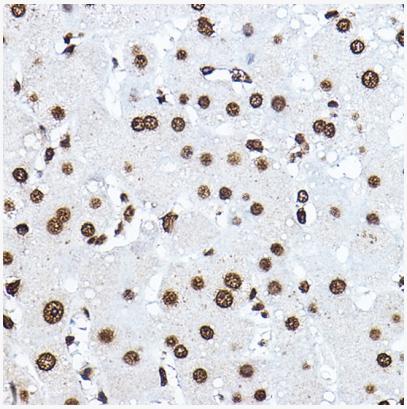
Protein Information

Synonyms	H3t; H3.4; H3/g; H3FT; H3C16; HIST3H3; Histone H3.
Calculated MW	Calculated MW: 16 kDa; Observed MW: 17 kDa
Uniprot ID	Q16695, P68431
Gene ID	8290, 8350
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.

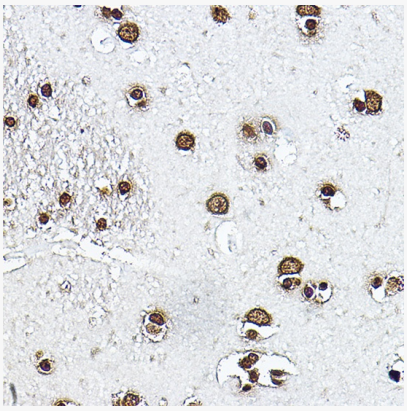
Validation Images



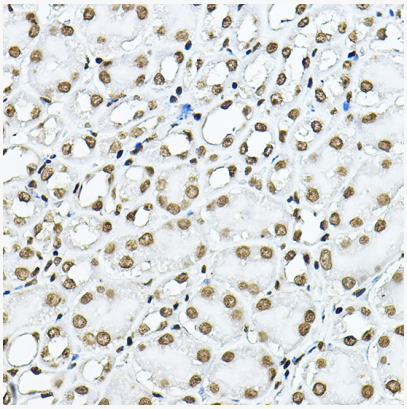
Immunohistochemistry analysis of paraffin-embedded Rat lung using Histone H3 Rabbit pAb (P104765) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



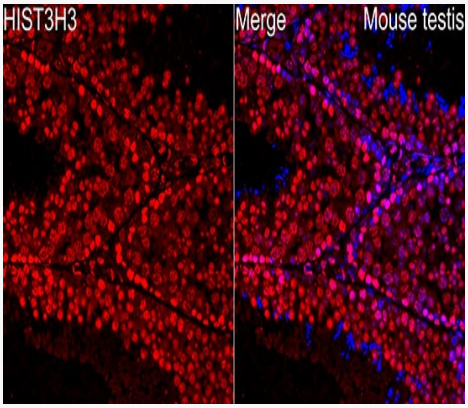
Immunohistochemistry analysis of paraffin-embedded Human liver using Histone H3 Rabbit pAb (P104765) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



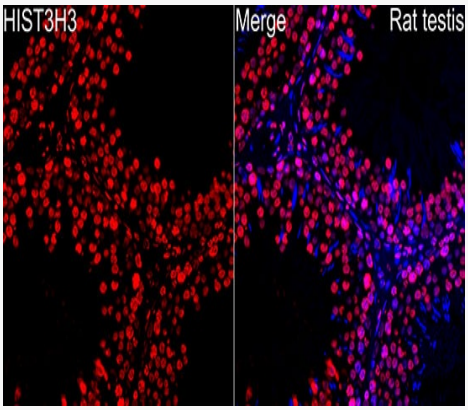
Immunohistochemistry analysis of paraffin-embedded Human brain using Histone H3 Rabbit pAb (P104765) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



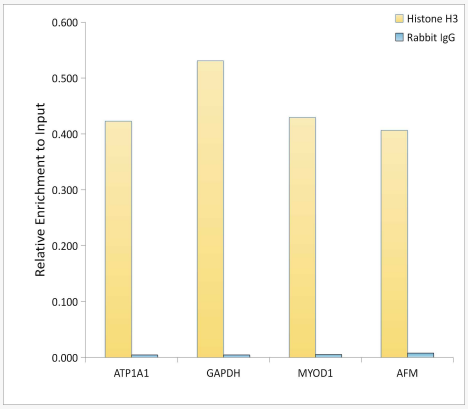
Immunohistochemistry analysis of paraffin-embedded Mouse kidney using Histone H3 Rabbit pAb (P104765) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



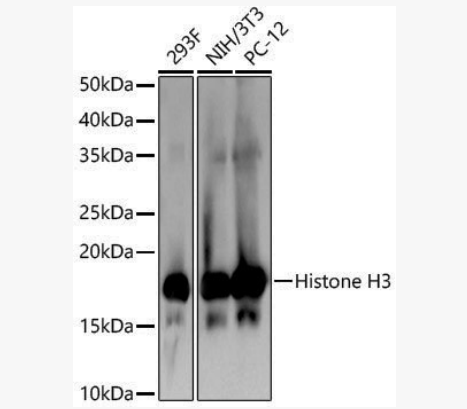
Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.Immunofluorescence analysis of paraffin-embedded mouse testis using Histone H3 Rabbit pAb (P104765) at dilution of 1:200 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



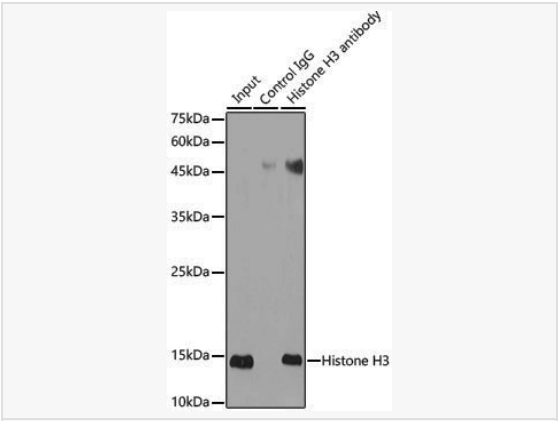
Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.Immunofluorescence analysis of paraffin-embedded rat testis using Histone H3 Rabbit pAb (P104765) at dilution of 1:200 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



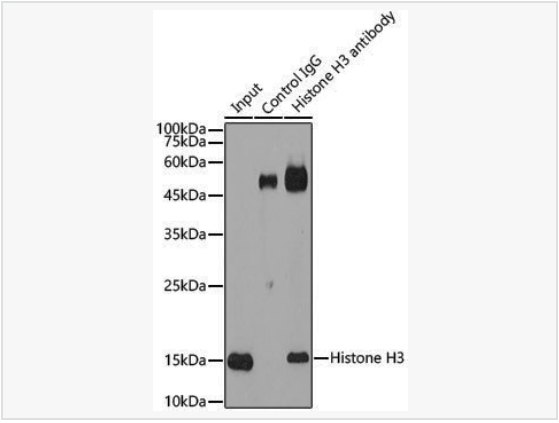
Chromatin immunoprecipitation analysis of extracts of 293T cells, using Histone H3 antibody (P104765) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Western blot analysis of various lysates using Histone H3 Rabbit pAb (P104765) at 1:10,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates / proteins: 25 µg per lane.
Blocking buffer: 3 % nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 10s.



Immunoprecipitation analysis of 600 µg extracts of HeLa cells using 10ug Histone H3 antibody (P104765). Western blot was performed from the immunoprecipitate using Histone H3 antibody (P104765) at a dilution of 1:30000.



Immunoprecipitation analysis of 600 µg extracts of HeLa cells using 10ug Histone H3 antibody (P104765). Western blot was performed from the immunoprecipitate using Histone H3 antibody (P104765) at a dilution of 1:30000.