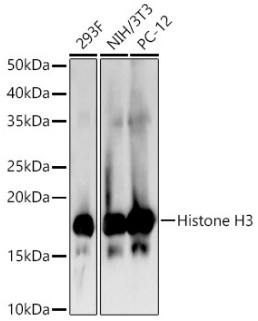
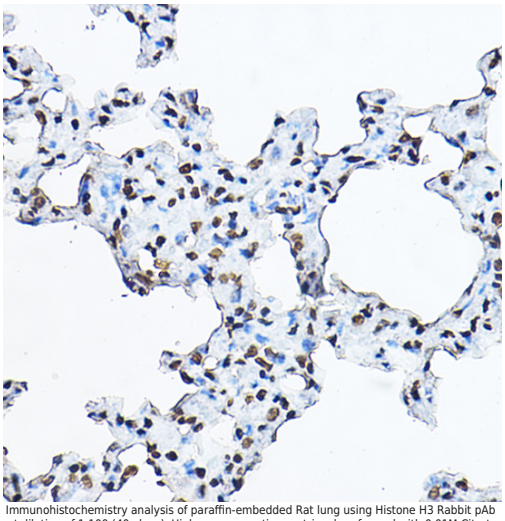
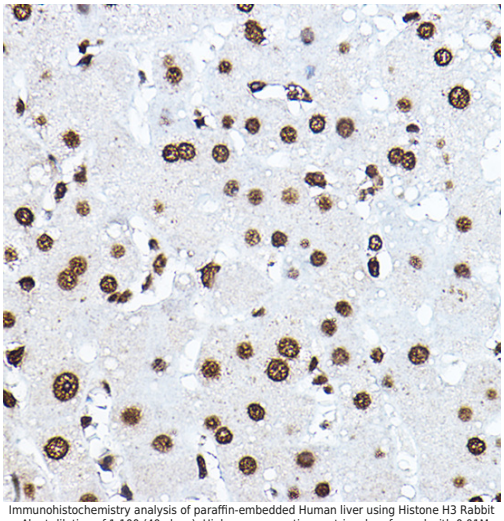
Product name:	Histone H3 Rabbit Polyclonal Antibody
Cat number:	ABE1054
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 36-136 of human HIST3H3.
Reactivity:	Human,Mouse,Rat,Other (Wide Range Predicted)
Applications:	Western Blot: 1:2000 - 1:10000 Immunohistochemistry (paraffin-embedded tissues): 1:50 - 1:200 Immunofluorescence:1:50 - 1:200 Immunocytochemistry: 1:50 - 1:200 Immunoprecipitation: 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. ChIP 3µg antibody for 5µg-10µg of Chromatin
Molecular Weight:	17kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Storage:	Store at -20℃. Avoid freeze / thaw cycles.
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 replicationdependent 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.



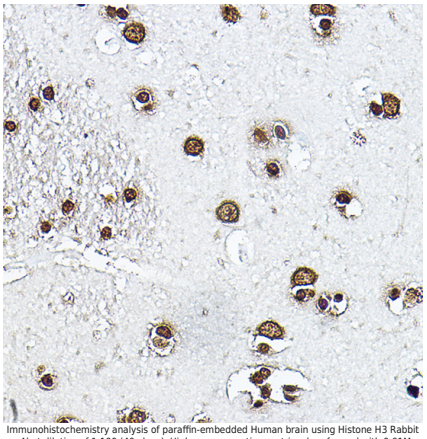
Western blot analysis of various lysates using Histone H3 Rabbit pAb) at 1:10000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates / proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL West Pico Plus. Exposure time: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



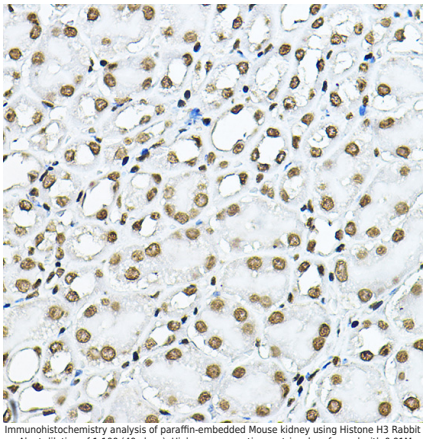
Immunohistochemistry analysis of paraffin-embedded Rat lung using Histone H3 Rabbit pAb at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



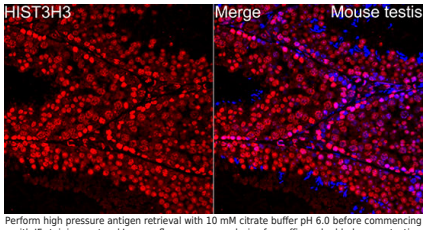
Immunohistochemistry analysis of paraffin-embedded Human liver using Histone H3 Rabbit pAb at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



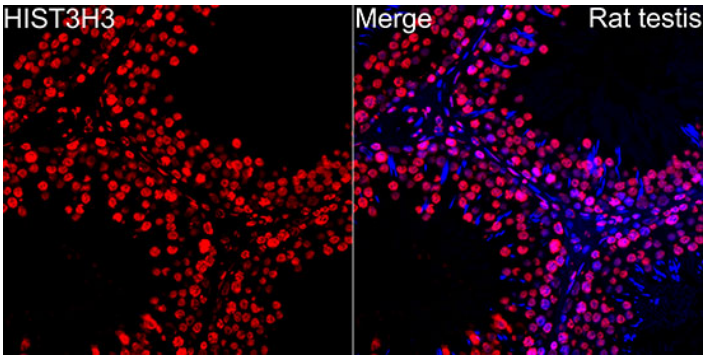
Immunohistochemistry analysis of paraffin-embedded Human brain using Histone H3 Rabbit pAbat dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



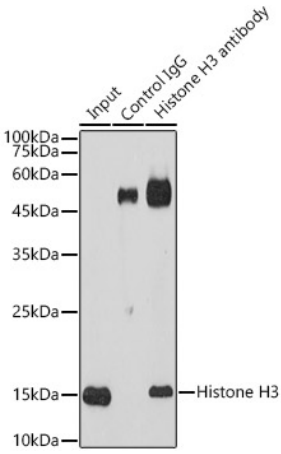
Immunohistochemistry analysis of paraffin-embedded Mouse kidney using Histone H3 Rabbit pAb at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



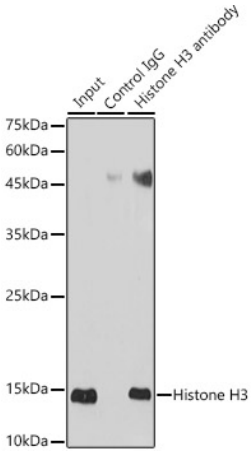
Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.Immunofluorescence analysis of paraffin-embedded mouse testis using Histone H3 Rabbit pAb at dilution of 1:200 (40xlens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)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



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



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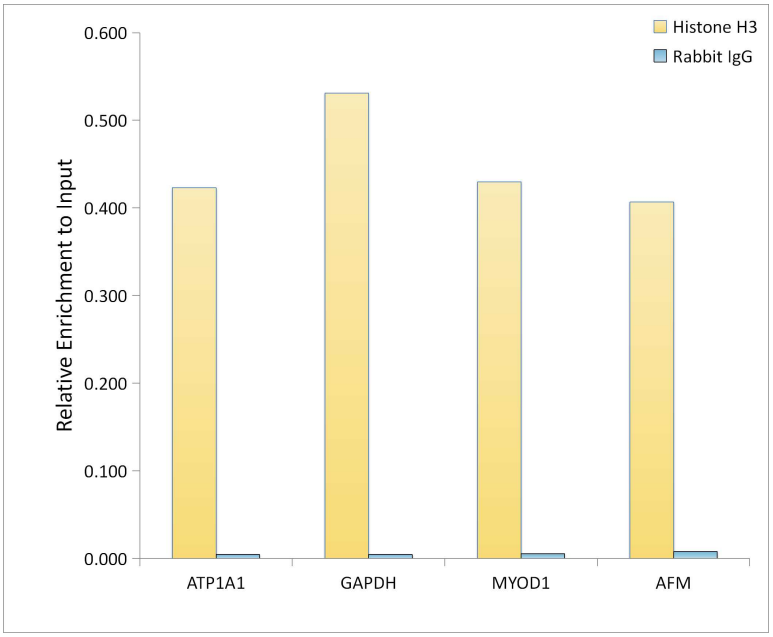

Chromatin immunoprecipitation analysis of extracts of 293T cells, using Histone H3 antibody and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.