Anti-Histone H3 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P105308

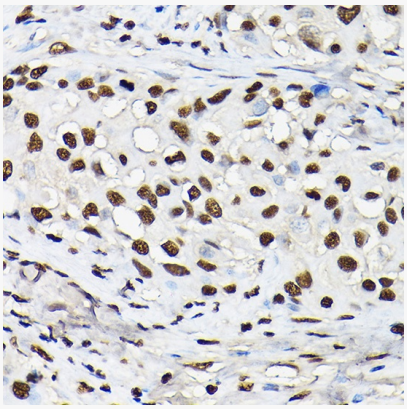
Product Information

Application	WB, IHC-P, IP, ELISA, ChIP
Reactivity	Human, Mouse, Rat, Other (Wide Range Predicted)
Dilution	WB 1:2000~1:10000; IHC-P 1:50~1:200; IP 0.5μg-4μg antibody for 200μg-400μg extracts of whole cellsChIP 5μg 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 50-136 of human HIST3H3 (NP_003484.1).
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.

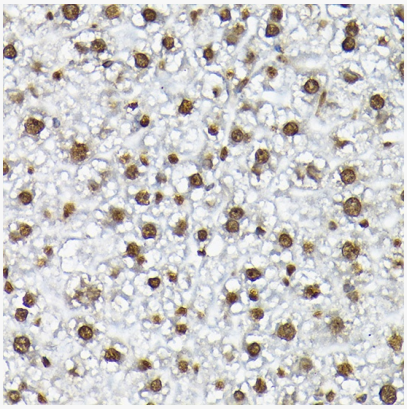
Protein Information

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.

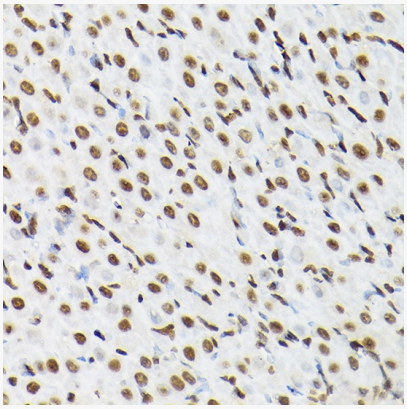
Validation Images



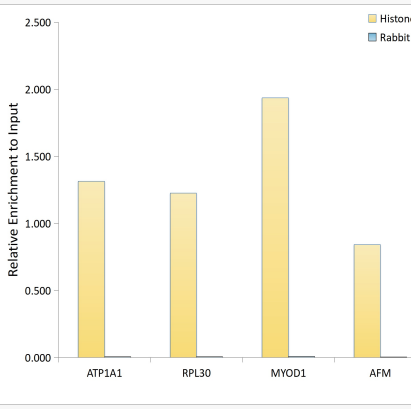
Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Histone H3 Rabbit pAb (P105308) at dilution of 1:20 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



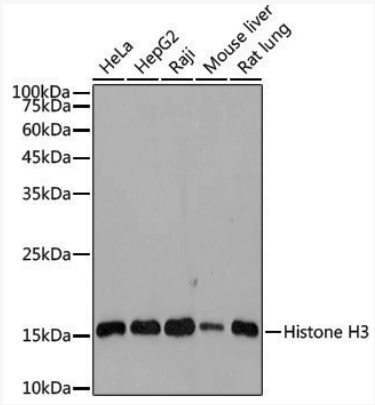
Immunohistochemistry analysis of paraffin-embedded Mouse liver using Histone H3 Rabbit pAb (P105308) at dilution of 1:20 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



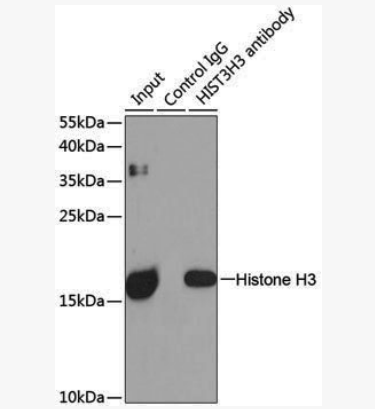
Immunohistochemistry analysis of paraffin-embedded Rat ovary using Histone H3 Rabbit pAb (P105308) at dilution of 1:20 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Histone H3 antibody (P105308) 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 (P105308) at 1:10,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 60s.



Immunoprecipitation analysis of 150 µg extracts of MCF7 cells using 3 µg Histone H3 antibody (P105308). Western blot was performed from the immunoprecipitate using Histone H3 antibody (P105308) at a dilution of 1:500.