Product Name: **Histone H3.3 (phospho Ser31) Rabbit Polyclonal Antibody**
Catalog #: **APRab04781**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
Molecular Weight	

Antigen Information

Gene Name	H3F3A
Alternative Names	H3F3A; H3.3A; H3F3; PP781; H3F3B; H3.3B; Histone H3.3
Gene ID	3020/3021
SwissProt ID	P84243
Immunogen	The antiserum was produced against synthesized peptide derived from human Histone H3.3 around the phosphorylation site of Ser31. AA range:16-65

Background

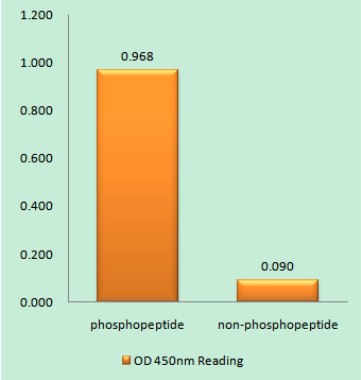
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes.

Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene contains introns and its mRNA is polyadenylated, unlike most histone genes. The protein encoded is a replication-independent member of the histone H3 family. [provided by RefSeq, Jul 2008],developmental stage:Expressed throughout the cell cycle independently of DNA synthesis.,function:Variant histone H3 which replaces conventional H3 in a wide range of nucleosomes in active genes. Constitutes the predominant form of histone H3 in non-dividing cells and is incorporated into chromatin independently of DNA synthesis. Deposited at sites of nucleosomal displacement throughout transcribed genes, suggesting that it represents an epigenetic imprint of transcriptionally active chromatin.

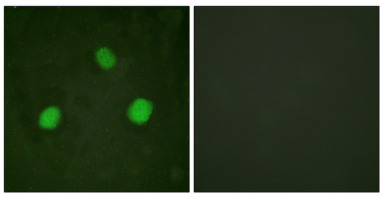
Research Area

Protein_Acetylation

Image Data



Enzyme-Linked Immunosorbent Assay （Phospho-ELISA） for Immunogen Phosphopeptide （Phospho-left） and Non-Phosphopeptide （Phospho-right）, using Histone H3.3 （Phospho-Ser31） Antibody



Immunofluorescence analysis of HeLa cells, using Histone H3.3 （Phospho-Ser31） Antibody. The picture on the right is blocked with the phospho peptide.