

Histone H3.3 Polyclonal Antibody
Catalog # AP70353**Specification**

Histone H3.3 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IF
Primary Accession	P84243
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

Histone H3.3 Polyclonal Antibody - Additional Information**Gene ID** 3020;3021**Other Names**

H3F3A; H3.3A; H3F3; PP781; H3F3B; H3.3B; Histone H3.3

Dilution

WB~~1:1000

IHC-P~~N/A

IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Histone H3.3 Polyclonal Antibody - Protein Information**Name** H3-3A ([HGNC:4764](#))**Synonyms** H3.3A, H3F3, H3F3A**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. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Cellular Location

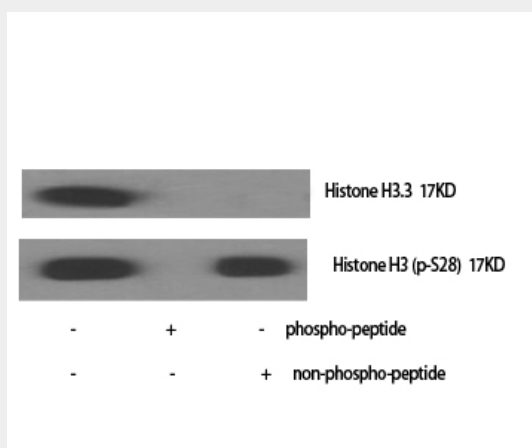
Nucleus. Chromosome

Histone H3.3 Polyclonal Antibody - Protocols

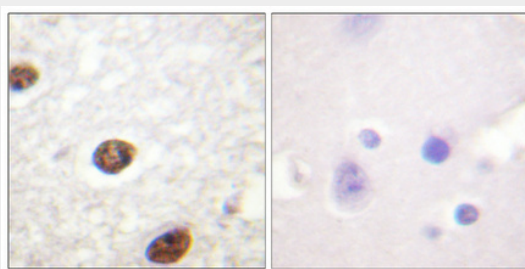
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Histone H3.3 Polyclonal Antibody - Images



Western Blot analysis of Hela cells using Histone H3.3 Polyclonal Antibody diluted at 1:1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°C, overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

Histone H3.3 Polyclonal Antibody - Background

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