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H3.3G34W

Rabbit Monoclonal antibody(Mab)
Catalog # AD80561

Product Information

Application	IHC-P
Primary Accession	P84243
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Clone Names	451N3B2
Calculated MW	15328

Additional Information

Gene ID	3020;3021
Other Names	Histone H3.3, H3-3A (HGNC:4764), H3.3A, H3F3, H3F3A
Dilution	IHC-P~~N/A
Storage	Maintain refrigerated at 2-8°C.

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

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