

Anti- Histone H3.3 Rabbit Monoclonal Antibody

Rabbit Monoclonal Antibody

Catalog # ABV11834

Product Information

Application	WB, E
Primary Accession	P84243
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	15328

Additional Information

Gene ID	3020;3021
Positive Control	WB: Hela cell lysate
Application & Usage	Western Blot: 0.5 ug/mL – 2 ug/mL; ELISA: 0.2 ug/mL - 1 ug/mL; Multiplex: 0.05 ug/mL – 0.5 ug/mL.
Alias Symbol	H3F3A
Other Names	H3F3A, H3.3A, H3F3, H3F3B, H3.3B
Appearance	Colorless liquid
Formulation	In 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti- Histone H3.3 Rabbit Monoclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.