

Histone H3.3 Rabbit mAb

Catalog # AP75548

Specification

Histone H3.3 Rabbit mAb - Product Information

Application WB, IHC-P Primary Accession P84243

Reactivity Human, Mouse, Rat Host Rabbit

Clonality Rabbit Monoclonal Antibody

Calculated MW 15328

Histone H3.3 Rabbit mAb - Additional Information

Gene ID 3020;3021

Other Names

H3-3A

Dilution

WB~~1/500-1/1000

IHC-P~~N/A

Format

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Histone H3.3 Rabbit mAb - 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 Rabbit mAb - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Histone H3.3 Rabbit mAb - Images



