

DiMethyl-Histone H3 (Lys9) (10B2) Mouse mAb

db6454

Package : 50μL 100μL

Product Name : DiMethyl-Histone H3 (Lys9) (10B2) Mouse mAb**Cat.No.:** db6454**Synonyms** : H3K9me2; H3 histone; HIST1H3A; Histone cluster 1; H3a**Application** : WB**Reactivity** : Human, Mouse, Rat**Host species** : Mouse**Background**

Core component of nucleosome. 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. Miscellaneous This histone is only present in mammals and is enriched in acetylation of Lys-15 and dimethylation of Lys-10 (H3K9me2).

Immunogen

Synthetic Peptide of Histone H3 (Di Methyl Lys9)

Gene ID

8350

Swiss Prot

P68431

Synonyms

H3K9me2; H3 histone; HIST1H3A; Histone cluster 1; H3a

Reactivity

Human, Mouse, Rat

Application

WB

Recommended dilution

WB: 1:500-1000

Calculated MW

15 kDa

Observed MW

15 kDa

Host species

Mouse

Clonality

Monoclonal

Clonality No.

10B2-6D2-4H4

Isotype

IgG1

Purity

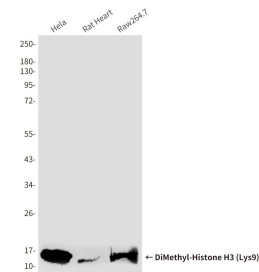
Affinity Purification

Conjugation

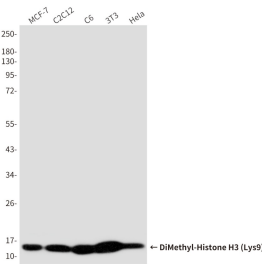
Un-conjugated

Storage Stability

Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA .
Stable for 12 months from date of receipt.



Western blot analysis of DiMethyl-Histone H3 in HeLa, rat Heart , Raw264.7 lysates using DiMethyl-Histone H3 (Lys9) (10B2) antibody



Western blot analysis of DiMethyl-Histone H3 (Lys9) (10B2) in MCF-7, C2C12, C6, 3T3, HeLa lysates using DiMethyl-Histone H3 (Lys9) (10B2) antibody.