

DiMethyl-Histone H3 (Lys27) (5F6) Mouse mAb

db6450

Package : 50µL 100µL

Product Name : DiMethyl-Histone H3 (Lys27) (5F6) Mouse mAb**Cat.No.:** db6450**Synonyms** : H3K27me2; H3 histone; HIST1H3A; Histone cluster 1; H3a**Application** : WB, IP, ICC/IF**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 Lys27)

Gene ID

8350

Swiss Prot

P68431

Synonyms

H3K27me2; H3 histone; HIST1H3A; Histone cluster 1; H3a

Reactivity

Human, Mouse, Rat

Application

WB, IP, ICC/IF

Recommended dilutionWB: 1:500-1:1000
ICC/IF: 1:50-1:200
IP: 1:20**Calculated MW**

15 kDa

Observed MW

15 kDa

Host species

Mouse

Clonality

Monoclonal

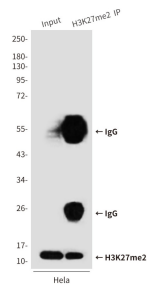
Clonality No.

5F6-6G6-6F9

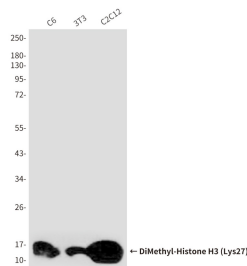
Isotype

IgG1

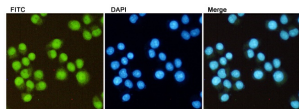
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



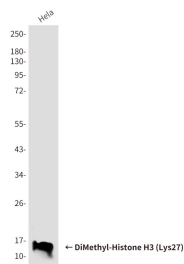
Immunoprecipitation analysis of DiMethyl-Histone H3 (Lys27) (5F6) in HeLa lysates using DiMethyl-Histone H3 (Lys27) (5F6) antibody.



Western blot analysis of DiMethyl-Histone H3 (Lys27) (5F6) in C6, 3T3, C2C12 lysates using DiMethyl-Histone H3 (Lys27) (5F6) antibody.



Immunocytochemistry analysis of DiMethyl-Histone H3 (Lys27) in HeLa cells using DiMethyl-Histone H3 (Lys27) (5F6) antibody.



Western blot analysis of DiMethyl-Histone H3 (Lys27) (5F6) in HeLa, rat heart, mouse heart, HUVEC, Jurkat lysates using DiMethyl-Histone H3 (Lys27) (5F6) antibody.