

Product Name: DiMethyl-Histone H3 (Lys27) (5F6)
Mouse Monoclonal Antibody
Catalog #: AMM03581

Summary

Production Name	DiMethyl-Histone H3 (Lys27) (5F6) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB,ICC/IF,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Methylated
Isotype	IgG1
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	H3C1
Alternative Names	H3K27me2; H3 histone; HIST1H3A; Histone cluster 1; H3a
Gene ID	8350
SwissProt ID	P68431

Application

Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20
Molecular Weight	Calculated MW: 15 kDa; Observed MW: 15 kDa

Background

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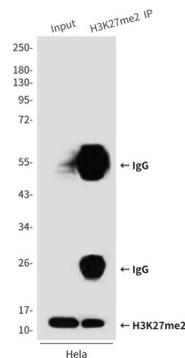


H3 Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability.

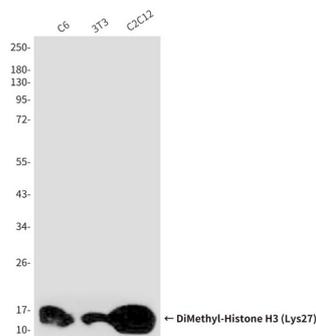
Research Area

Epigenetics and Nuclear Signaling

Image Data

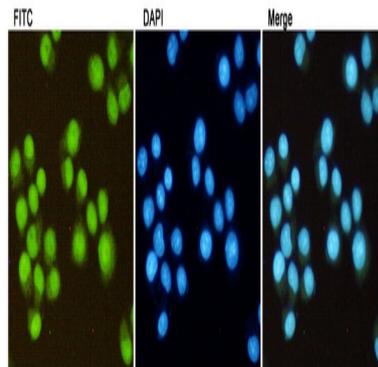


Immunoprecipitation analysis of DiMethyl-Histone H3 (Lys27) (5F6) in HeLa lysates using DiMethyl-Histone H3 (Lys27) (5F6) antibody.

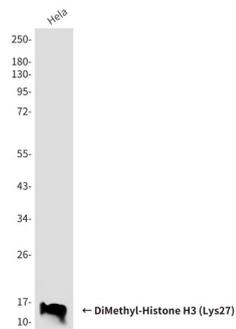


Western blot analysis of DiMethyl-Histone H3 (Lys27) (5F6) in C6, 3T3, C2C12 lysates using DiMethyl-Histone H3 (Lys27) (5F6) antibody

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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.

Note

For research use only.