

## DIMETHYL-HISTONE H3 (LYS27) (5F6) MOUSE MAB

**Cat.#:** N261236

**Product Name:** Anti-DiMethyl-Histone H3 (Lys27) (5F6) Mouse Monoclonal Antibody

**Synonyms:** H3K27me<sub>2</sub>; H3 histone; HIST1H3A; Histone cluster 1; H3a

**UNIPROT ID:** P68431

**Background:** 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.

**Immunogen:** Synthetic Peptide of Histone H3 (Di Methyl Lys27)

**Applications:** WB, ICC/IF, IP

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20

**Host Species:** Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** 5F6-6G6-6F9

**MW:** Calculated MW: 15 kDa; Observed MW: 15 kDa

**Isotype:** IgG1

**Purification:** Affinity Purified

**Species Reactivity:** Human, Mouse, Rat

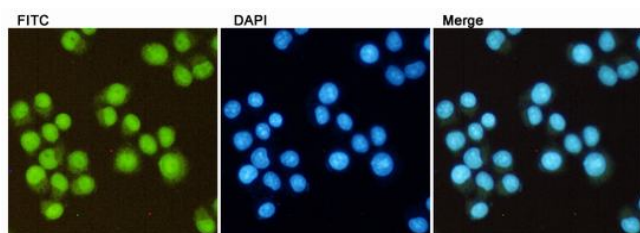
**Conjugation:** Unconjugated

**Modification:** Methylated

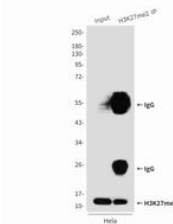
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Epigenetics, Histone methylation

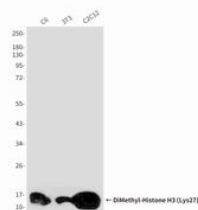
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



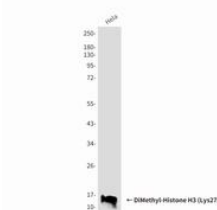
Immunocytochemistry analysis of DiMethyl-Histone H3 (Lys27) in HeLa cells using DiMethyl-Histone H3 (Lys27) (5F6) antibody.



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.



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.