

Histone H3 (6G2) Mouse mAb

db6420

Package : 50μL 100μL

Product Name : Histone H3 (6G2) Mouse mAb**Cat.No.:** db6420**Synonyms** : H3 histone; HIST1H3A; Histone cluster 1; H3a**Application** : WB, IHC-Fr, IHC-P, ICC/IF, IP**Reactivity** : Human, Mouse, Rat, Yeast**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

Recombinant Protein of Histone H3

Gene ID

8350

Swiss Prot

P68431

Synonyms

H3 histone; HIST1H3A; Histone cluster 1; H3a

Reactivity

Human, Mouse, Rat, Yeast

Application

WB, IHC-Fr, IHC-P, ICC/IF, IP

Recommended dilutionWB: 1:5000-1:10000
IHC: 1:50-1:200
ICC/IF: 1:100-1:200
IP: 1:20**Calculated MW**

15 kDa

Observed MW

15 kDa

Host species

Mouse

Clonality

Monoclonal

Clonality No.

6G2-5A6-6C1

Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	<div>Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA .</div> <div>Stable for 12 months from date of receipt.</div> <div> <div> <div></div> <div>Western blot analysis of Histone H3 (6G2) in C6, 3T3 and MCF-7 lysates using Histon H3 antibody.</div> </div> <div> <div></div> <div>Immunofluorescence analysis of Histone H3 in Hela using Histone H3 antibody(Right)and DAPI(Left).</div> </div> <div> <div></div> <div>Immunoprecipitation analysis of Histone H3 (6G2) in Hela lysates using Histone H3 (6G2) antibody.</div> </div> <div> <div></div> <div>Immunohistochemistry analysis of paraffin-embedded rat testis tissue using Histone H3 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.</div> </div> <div> <div></div> <div>Western blot analysis of Histone H3 in C6, 3T3, Hela lysates using Histone H3 (6G2) antibody.</div> </div> </div>