

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

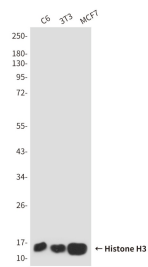
Clonality

Monoclonal

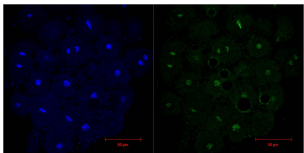
Clonality No.

6G2-5A6-6C1

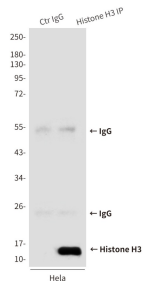
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



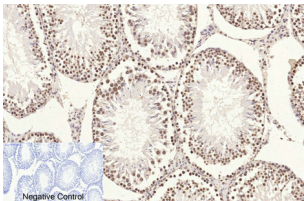
Western blot analysis of Histone H3 (6G2) in C6, 3T3 and MCF-7 lysates using Histone H3 antibody.



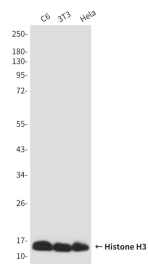
Immunofluorescence analysis of Histone H3 in HeLa using Histone H3 antibody(Right)and DAPI(Left).



Immunoprecipitation analysis of Histone H3 (6G2) in HeLa lysates using Histone H3 (6G2) antibody.



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.



Western blot analysis of Histone H3 in C6, 3T3, HeLa lysates using Histone H3 (6G2) antibody.

