



## 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

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**Reactivity** Human, Mouse, Rat, Yeast

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

Recommended dilution WB: 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



## For Research Use Only **Product Datasheet**

Isotype

lgG1

**Purity** 

Affinity Purification

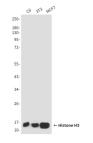
Conjugation

Un-conjugated

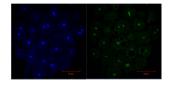
**Storage Stability** 

Store at -20 °C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA .

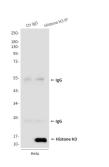
Stable for 12 months from date of receipt.



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



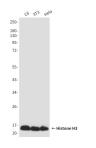
Immunofluorescence analysis of Histone H3 in Hela using Histone H3 antibody(Right) and DAPI(Left).



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.



