

Anti-Histone H3 (6G2) Mouse Monoclonal Antibody

Introduction

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. This histone is only present in mammals and is enriched in acetylation of Lys-15 and dimethylation of Lys-10 (H3K9me2).

Product parameters

Alternative Names	H3 histone; HIST1H3A; Histone cluster 1; H3a
Gene ID	8350
Gene Name	H3C1
SwissProt ID	P68431
Host	Mouse
Reactivity	Human, Mouse, Rat, Yeast
Molecular Weight	Calculated MW: 15 kDa; Observed MW: 15 kDa
Conjugation	Unconjugated
Ex	-
Em	-
Modification	Unmodified
Clonality	IgG1
Isotype	Monoclonal Antibody
Clonality No.	AP-5D11D1
Form	Liquid
Concentration	See label
Carrier	Carrier Not Free
Immunogen	Recombinant Protein of Histone H3
Purification	Affinity Purified
Buffer System	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Application	WB, IHC-F, IHC-P, ICC/IF, IP
Dilution Ratio	WB: 1/5000-1/10000 IHC: 1/50-1/200 IF: 1/100-1/200 IP: 1/20

Research Field	Epigenetics and Nuclear Signaling
Product Categories	Primary antibody
Shipping	Blue ice
Storage	-20°C
Expiration Date	12 months
Note	Please avoid freeze-thaw cycles.



Protocol

Configure the product according to the application range and recommended dilution ratio.

***Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

Note

1. This product is for scientific research use only.





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