

## Anti-Acetyl-Histone H3 (Lys27) Rabbit Monoclonal Antibody

### Introduction

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.

### Product parameters

Alternative Names	H3K27ac; H3/j; H3C1; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FJ; H3C10; H3C11; HIST1H3J
Gene ID	8350
Gene Name	H3C1
SwissProt ID	P68431
Host	Rabbit
Reactivity	Human
Molecular Weight	Calculated MW: 15 kDa; Observed MW: 15 kDa
Conjugation	Unconjugated
Ex	-
Em	-
Modification	Acetylated
Clonality	IgG
Isotype	Monoclonal Antibody
Clonality No.	AP-7F1B5
Form	Liquid
Concentration	See label
Carrier	Carrier Not Free
Immunogen	A synthetic acetyl-peptide corresponding to residues surrounding Lys27 of human Histone H3
Purification	Affinity Purified
Buffer System	50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA.
Application	WB, IHC-F, IHC-P, ICC/IF, IP, ChIP
Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20 ChIP: 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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