Anti-MonoMethyl-Histone H3 (Lys14) Rabbit Monoclonal Antibody

Introduction

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

Product parameters

Alternative Names	H3K14me; H3.4; H3/g; H3FT; H3t
Gene ID	8290
Gene Name	H3-4
SwissProt ID	Q16695
Host	Rabbit
Reactivity	Human, Mouse
Molecular Weight	Calculated MW: 16 kDa; Observed MW: 16 kDa
Conjugation	Unconjugated
Ex	-
Em	-
Modification	Methylated
Clonality	IgG
Isotype	Monoclonal Antibody
Clonality No.	AP-18G9E12
Form	Liquid
Concentration	See label
Carrier	Carrier Free
Immunogen	A synthetic peptide of human MonoMethyl-Histone H3-K14
Purification	Affinity Purified
Buffer System	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Application	WB, ICC/IF

Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200
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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