产品名称：MonoMethyl-Histone H3 (Lys9) Rabbit Monoclonal Antibody
产品货号：AMRe03910

产品概述（Summary）

产品名称（Production Name）	MonoMethyl-Histone H3 (Lys9) Rabbit Monoclonal Antibody
描述（Description）	Recombinant rabbit monoclonal antibody
宿主（Host）	Rabbit
应用（Application）	WB,IHC,ICC/IF
种属反应性（Reactivity）	Human, Mouse, Rat

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Methylated
同种型（Isotype）	IgG
克隆（Clonality）	Monoclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% protective protein.
纯化方式（Purification）	Affinity Purification

免疫原信息（Immunogen）

基因名（Gene Name）	H3C1
别名（Alternative Names）	H3K9me; Histone H3/b；Histone H3/c；Histone H3/d；Histone H3/f
基因 ID（Gene ID）	8350
蛋白 ID（SwissProt ID）	P68431.

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200
蛋白分子量（Molecular Weight）	Calculated MW:15 kDa;Observed MW: 17 kDa

研究背景（Background）

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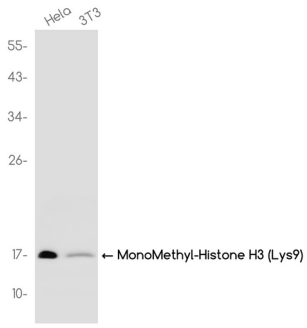
Histone post-translational modifications (PTMs) are key mechanisms of epigenetics that modulate chromatin structures, termed as “histone code”. The PTMs on histone including acetylation, methylation, phosphorylation and novel acylations directly affect the accessibility of chromatin to transcription factors and other epigenetic regulators, altering genome stability, gene transcription, etc. Histone methylation occurs primarily at lysine and arginine residues on the amino terminal of core histones. Methylation of histones can either increase or decrease transcription of genes, depending on which amino acids (Lys or Arg) in the histones are methylated and how many methyl groups are attached (mono-, di-, tri-methylation on Lys, mono-di-symmetric/asymmetric methylation on Arg). Mostly, lysine methylation occurs primarily on histone H3 Lys4, 9, 27, 36, 79 and H4 Lys20, while Arginine methylation occurs primarily on histone H3 Arg2, 8, 17, 26 and H4 Arg3. Histone methylases (HMTs) and histone demethylases (HDMs) are major regulating factors.

研究领域（Research Area）

Epigenetics and Nuclear Signaling

图片（Image Data）



Western blot analysis of MonoMethyl-Histone H3 (Lys9) in HeLa, 3T3 lysates using MonoMethyl-Histone H3 (Lys9) antibody.

注意事项（Note）

For research use only .