

MonoMethyl-Histone H3 (Lys79) (4A1) Mouse mAb

db6448

Package : 50µL 100µL

Product Name : MonoMethyl-Histone H3 (Lys79) (4A1) Mouse mAb**Cat.No.:** db6448**Synonyms** : H3K79me; H3 histone; HIST1H3A; Histone cluster 1; H3a**Application** : WB**Reactivity** : Human, Mouse, Rat**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

Synthetic Peptide of Histone H3 (Mono Methyl Lys79)

Gene ID

8290

Swiss Prot

P68431

Synonyms

H3K79me; H3 histone; HIST1H3A; Histone cluster 1; H3a

Reactivity

Human, Mouse, Rat

Application

WB

Recommended dilution

WB: 1:500-1000

Calculated MW

15 kDa

Observed MW

15 kDa

Host species

Mouse

Clonality

Monoclonal

Clonality No.

4A1-9G8-3A9

Isotype

IgG1

Purity

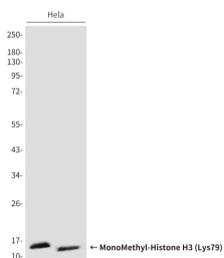
Affinity Purification

Conjugation

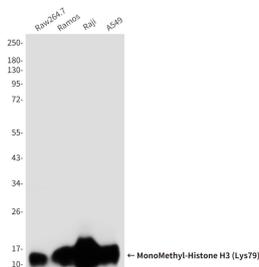
Un-conjugated

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 MonoMethyl-Histone H3 (Lys79) in HeLa lysates using MonoMethyl-Histone H3 (Lys79) (4A1) antibody.



Western blot analysis of MonoMethyl-Histone H3 (Lys79) (4A1) in Raw264.7, Ramos, Raji, A549 lysates using MonoMethyl-Histone H3 (Lys79) (4A1) antibody.