

## Product Datasheet

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



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Catalog No: AB3523

Reactivity: Human, Mouse, Rat

Isotype: Rabbit IgG

Applications: WB

### Information

**UniProt ID:** P68431

**All Names:** H3K79me; H3 histone; HIST1H3A; Histone cluster 1; H3a

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:** pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

**Immunogen:** A synthesized peptide

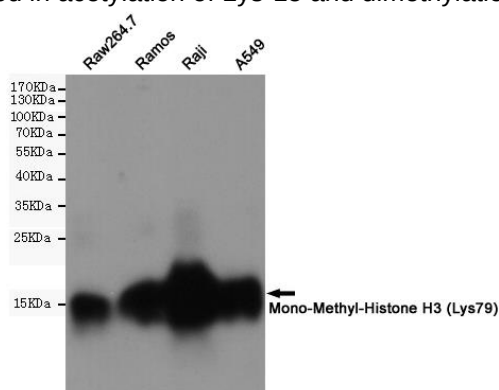
**Molecular Wt.:** 15kDa

### Application

WB: 1/500-1/1000

### Background

Swiss-Prot Acc.P68431. 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).



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

**For Research Use Only. Not For Use In Diagnostic Procedures.**

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