

bsm-60689R**[Primary Antibody]****BioSS**
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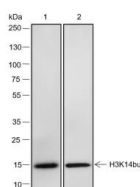
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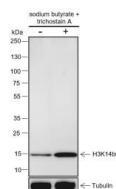
400-901-9800

Histone H3 (Butyryl-Lys14) Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-1000)
Clonality: Recombinant	CloneNo.: R3D9	Reactivity: Human, Mouse, Rat
GeneID: 8350	SWISS: P68431	
Target: Histone H3 (Butyryl-Lys14)		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Modulation of the chromatin structure plays an important role in the regulation of transcription in eukaryotes. The nucleosome, made up of four core histone proteins (H2A, H2B, H3 and H4), is the primary building block of chromatin. The N-terminal tail of core histones undergoes different posttranslational modifications including acetylation, phosphorylation and methylation. These modifications occur in response to cell signal stimuli and have a direct effect on gene expression. In most species, the histone H2B is primarily acetylated at lysines 5, 12, 15 and 20. Histone H3 is primarily acetylated at lysines 9, 14, 18 and 23. Acetylation at lysine 9 appears to have a dominant role in histone deposition and chromatin assembly in some organisms. Phosphorylation at Ser10 of histone H3 is tightly correlated with chromosome condensation during both mitosis and meiosis.		Predicted MW.: 15 kDa Subcellular Location: Nucleus

— VALIDATION IMAGES —

Blocking buffer: 5% NFDM/TBST Primary Ab
 dilution: 1:2000 Primary Ab incubation
 condition: 2 hours at room temperature
 Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP)
 Lysate: 1: Neuro-2a, 2: BRL Protein loading
 quantity: 20 µg Exposure time: 60 s Predicted
 MW: 15 kDa Observed MW: 15 kDa



Blocking buffer: 5% NFDM/TBST Primary Ab
 dilution: 1:2000 Primary Ab incubation
 condition: 2 hours at room temperature
 Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP)
 Lysate: (-): MCF-7+serum starvation (14 hr), (+):
 MCF-7+ sodium butyrate (50 mM, 24 hr) +
 trichostatin A (500 ng/ml, 4 hr) Protein loading
 quantity: 20 µg Exposure time: 60 s Predicted
 MW: 15 kDa Observed MW: 15 kDa