

bsm-33097M**[Primary Antibody]****Bioss**
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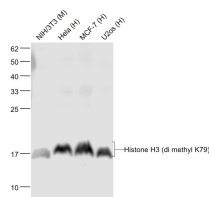
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400-901-9800

Histone H3 (tri methyl K79) Mouse mAb**— DATASHEET —**

| | | |
|---|----------------------|--|
| Host: Mouse | Isotype: IgG1 | Applications: WB (1:500-2000) Reactivity: Human, Mouse, Rat Predicted MW.: 15 kDa Subcellular Location: Nucleus |
| Clonality: Monoclonal | CloneNo.: 5A6 | |
| GeneID: 8350 | SWISS: P68431 | |
| Target: Histone H3 (tri methyl K79) | | |
| Purification: affinity purified by Protein G | | |
| Concentration: 1mg/ml | | |
| Storage: Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS 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. | | |

— VALIDATION IMAGES —

Sample: NIH/3T3(Mouse) Cell Lysate at 30 ug
 HeLa(Human) Cell Lysate at 30 ug Jurkat(Human)
 Cell Lysate at 30 ug A431(Human) Cell Lysate at
 30 ug Primary: Anti-Histone H3 (di methyl K79)
 (bsm-33097M) at 1/1000 dilution Secondary:
 IRDye800CW Goat Anti-Rabbit IgG at 1/20000
 dilution Predicted band size: 17 kD Observed
 band size: 17 kD