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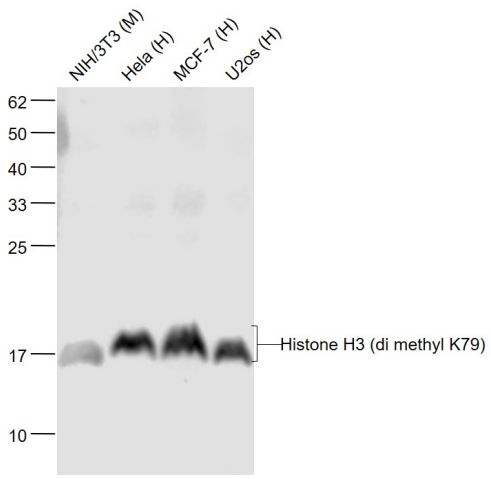
Histone H3 (tri methyl K79) Mouse mAb

Catalog Number:	bsm-33097M
Target Protein:	Histone H3 (tri methyl K79)
Concentration:	1mg/ml
Form:	Size : 50ul/100ul/200ul Liquid Size : 200ug Lyophilized Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.
Host:	Mouse
Clonality:	Monoclonal
Clone No.:	5A6
Isotype:	IgG1
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), ICC/IF (1:100-500), IF (1:100-500), ELISA (1:5000-10000)
Reactivity:	Human,Mouse,Rat
Predicted MW:	15 kDa
Entrez Gene:	8350
Swiss Prot:	P68431
Purification:	affinity purified by Protein G
Storage:	Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug 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

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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

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