bsm-63134R **[Primary Antibody]**

Mono-Methyl-Histone H3(R3) Recombinant Rabbit mAb

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DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 4G10
GeneID: 8350
SWISS: P68431
Target: Mono-Methyl-Histone H3(R3)
Immunogen: A synthesized peptide derived from human Histone H3.1 around the methylation site of R3: A-(Me)R-TK.
Purification: affinity purified by Protein A
Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.
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.

Applications: **WB** (1:1000-1:2000)
ICC/IF (1:50-1:200)
Reactivity: Human, Mouse
Predicted MW.: 15 kDa
Subcellular Location: Nucleus