

bsm-63264R**[Primary Antibody]**

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DiMethyl-Histone H3(K5) Recombinant Rabbit mAb

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:1000-2000) IHC-P (1:100-200) IHC-F (1:100-200) IF (1:50-200) ICC/IF (1:50-200) IP (1:20-50) ChIP (1:20-50) Reactivity: Human, Mouse, Rat Predicted MW.: 15 kDa Subcellular Location: Nucleus
Clonality: Recombinant	CloneNo.: 2C11	
GeneID: 8350	SWISS: P68431	
Target: DiMethyl-Histone H3(K5)		
Immunogen: A synthesized peptide derived from human Histone H3.1 around the methylation site of K5: RT-K(Me2)-QTA.		
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.		