

bsm-63275R**[Primary Antibody]**

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Histone H3(K27M mutated) Recombinant Rabbit mAb**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 5D11**GeneID:** 8350**SWISS:** P68431**Target:** Histone H3(K27M mutated)**Immunogen:** A synthesized peptide derived from human Histone H3.1 (K27M mutated): AR-(M)-SA.**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 (1:1000-2000)**ICC/IF** (1:50-200)**IP** (1:20-50)**ChIP** (1:20-50)**Reactivity:** Human**Predicted MW.:** 15 kDa**Subcellular Location:** Nucleus