

**bsm-63239R****[ Primary Antibody ]**

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**phospho-Histone H3(S29) Recombinant Rabbit mAb****— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 4A11**GeneID:** 8350**SWISS:** P68431**Target:** Histone H3(S29)**Immunogen:** A synthesized peptide derived from human Histone H3.1 around the phosphorylation site of S29: ARK-pS-APAT.**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)**IHC-P** (1:100-200)**IHC-F** (1:100-200)**IF** (1:50-200)**ICC/IF** (1:50-200)**Reactivity:** Human, Mouse, Rat**Predicted  
MW.:** 15 kDa**Subcellular  
Location:** Nucleus