bsm-60045M **[Primary Antibody]**

Histone H2B (Acetyl K5) Mouse mAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

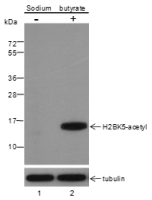
DATASHEET

Host: Mouse
Isotype: IgG
Clonality: Monoclonal
CloneNo.: H2F3
GeneID: 3018
SWISS: P33778
Target: Histone H2B (Acetyl K5)
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

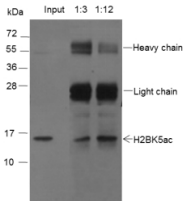
Background: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H2B family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Jul 2008].

Applications: **WB** (1:500-2000)
Reactivity: Human (predicted: Mouse, Rat)
Predicted MW.: 14 kDa
Subcellular Location: Nucleus

VALIDATION IMAGES



Blocking buffer: 5% NFDM/TBST Primary ab dilution: 1:2000 Primary ab incubation condition: 2 hours at room temperature Secondary ab: Goat Anti-Mouse IgG H&L (HRP) Lysate: (-) HeLa, (+) HeLa+Sodium butyrate (30mM, 4hr) Protein loading quantity: 20 µg Exposure time: 60 s Predicted MW: 14 kDa Observed MW: 14 kDa



IP of HeLa+Sodium butyrate (30mM, 4hr) cells extracts IP ab incubation condition: bsm-60045M, 4°C overnight, 1:3, 1:12 dilution WB primary ab incubation condition: bsm-60045M, room temperature 2h, 1:2000 dilution Secondary ab: Anti-Mouse IgG for IP (HRP) Blocking buffer and concentration: 5% NFDM/TBST Diluting buffer and concentration: 5% NFDM/TBST Lane 1: 5% Input Lane 2: IP with bsm-60045M (1:3) Lane 3: IP with bsm-60045M (1:12) Observed MW: 14 kDa Exposure time: 60 s

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.