

Anti-Acetyl-Histone H2B (Lys5) Antibody (8L946)

Product Details

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|-------------------|-----------------------------|
| Ig Type: | IgG |
| Reactivity: | Human (predicted:Mouse,Rat) |
| Molecular Weight: | Theoretical: 14 kDa. |
| Clone: | 8L946 |
| Purification: | Protein G purified |

Applications

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|---|--|
| Verified Activity: | 1. 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 (30 mM, 4 h) |
| | Protein loading quantity: 20 µg |
| | Exposure time: 60 s |
| | Predicted MW: 14 kDa |
| | Observed MW: 14 kDa |
| | 2. IP of HeLa+Sodium butyrate (30 mM, 4 h) cells extracts |
| | IP ab incubation condition: TMAB-07087, 4°C overnight, 1:3, 1:12 dilution |
| | WB primary ab incubation condition: TMAB-07087, room temperature 2 h, 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 TMAB-07087 (1:3) | |
| Lane 3: IP with TMAB-07087 (1:12) | |
| Observed MW: 14 kDa | |
| Exposure time: 60 s | |
| Application: | WB |
| Recommended | WB: 1:500-2000 |

Properties

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|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Histone H2B (Acetyl K5)
Antigen Species: Human
Gene ID: 3018
Uniprot ID: P33778

Research 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].

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