For Research Use Only

Acetyl-Histone H2B (Lys16) Recombinant antibody

Catalog Number:84446-1-RR

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Basic Information

Catalog Number:
84446-1-RR

Concentration:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC005827

GeneID (NCBI):
8349

UNIPROT ID:
Q16778

Full Name:
histone cluster 2, H2be

Calculated MW:
14 kDa

Observed MW:
15 kDa

Purification Method:
Protein A purfication

CloneNo.:
241194H2

Recommended Dilutions:
WB: 1:5000-1:50000
IF/ICC: 1:500-1:2000
Dot Blot: 1:10-1:100
ChIP-qPCR: 1:10-1:100

Applications

Tested Applications:
WB, IF/ICC, Dot Blot, ELISA, ChIP-qPCR

Species Specificity:
human, mouse, rat

Positive Controls:

WB : Trichostatin A treated NIH/3T3 cells, HSC-T6 cells, NIH/3T3 cells

IF/ICC : Trichostatin A treated HeLa cells, HeLa cells, Trichostatin A treated NIH/3T3 cells

Dot Blot : peptide,

ChIP-qPCR : HeLa cells,

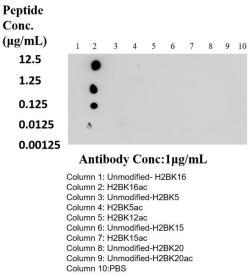
Background Information

Storage

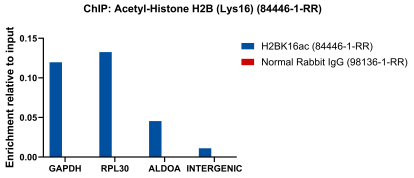
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

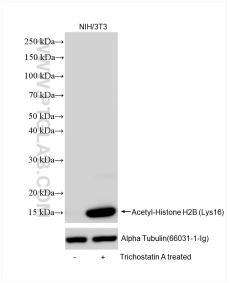
Selected Validation Data



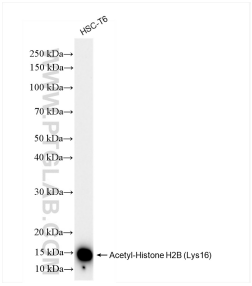
Dot blot analysis was used to confirm the specificity of Acetyl-Histone H2B (Lys16) antibody. Acetylated peptides were spotted onto NC and probed with antibody at 1 μg/ml.The amount of peptide (μ g/mL) spotted is indicated next to each row.



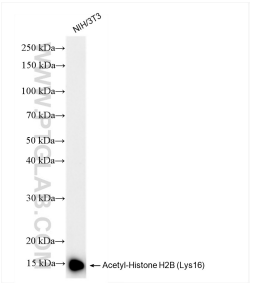
Chromatin was prepared from HeLa cells. Cells were fixed with formaldehyde for 10 minutes. The ChIP was performed with 15 μg of cross-linked chromatin, 5 μg of Acetyl-Histone H2B (Lys16) (84446-1-RR) or 5 ug of Normal Rabbit IgG (98136-1-RR), and 20 μl of Protein A Magarose Beads. The immunoprecipitated DNA was quantified by real-time PCR.



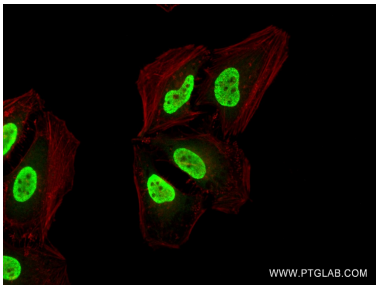
Trichostatin A treated and untreated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 84446-1-RR (Acetyl-Histone H2B (Lys16) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.



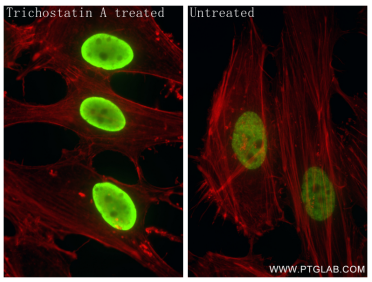
HSC-T6 cells were subjected to SDS PAGE followed by western blot with 84446-1-RR (Acetyl-Histone H2B (Lys16) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



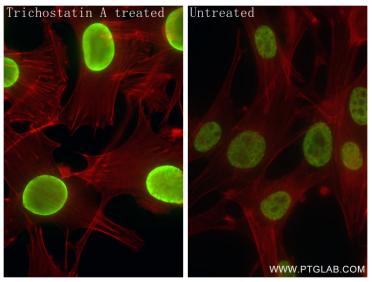
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 84446-1-RR (Acetyl-Histone H2B (Lys16) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Histone H2B antibody (84446-1-RR, Clone: 241194H2) at dilution of 1:850 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



Immunofluorescent analysis of (4% PFA) fixed Trichostatin A treated HeLa cells using Acetyl-Histone H2B (Lys16) antibody (84446-1-RR, Clone: 241194H2) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed Trichostatin A treated NIH/3T3 cells using Acetyl-Histone H2B (Lys16) antibody (84446-1-RR, Clone: 241194H2) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).