

For Research Use Only

Acetyl-Histone H2B (Lys12) Recombinant monoclonal antibody

Catalog Number: 86731-1-RR



Basic Information

Catalog Number:

86731-1-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

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 purification

CloneNo.:

250005E8

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:500-1:2000

FC (Intra): 0.13 ug per 10⁶ cells in a 100 µl suspension

Dot blot: 1:10-1:100

ChIP-qPCR: 1:10-1:100

Applications

Tested Applications:

WB, IHC, Dot blot, ELISA, ChIP-qPCR

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: Trichostatin A treated NIH/3T3 cells, Trichostatin A treated HeLa cells

IHC: human placenta tissue,

FC (Intra): Trichostatin A treated NIH/3T3 cells,

Dot blot: / /,

ChIP-qPCR: HeLa cells,

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

*** 20ul sizes contain 0.1% BSA

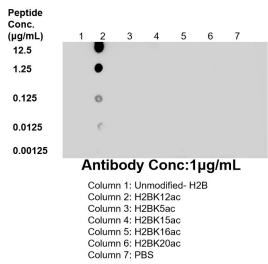
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

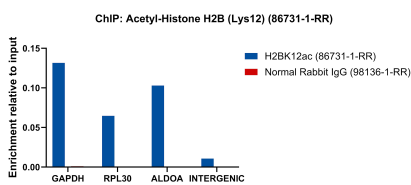
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

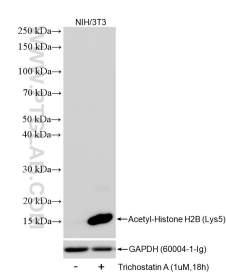
Selected Validation Data



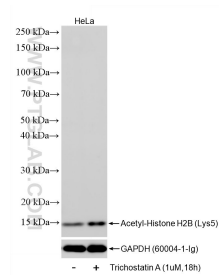
Dot blot analysis was used to confirm the specificity of 86731-1-RR Acetyl-Histone H2B (Lys12) antibody. peptides were spotted onto NC and probed with antibody at 1 µg/ml. The amount of peptide (µg/mL) spotted is indicated next to each row.



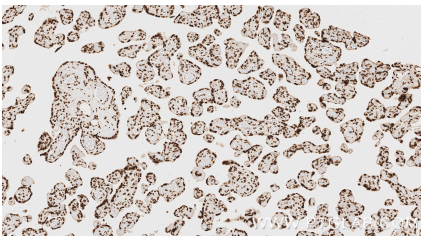
Chromatin was prepared from HeLa cells. Cells were fixed with formaldehyde for 10 minutes. The ChIP was performed with 15 µg of cross-linked chromatin, 5 µg of Acetyl-Histone H2B (Lys12) (86731-1-RR) or 5 µg of Normal Rabbit IgG (98136-1-RR), and 20 µl of Protein A Magarose Beads. The immunoprecipitated DNA was quantified by real-time PCR.



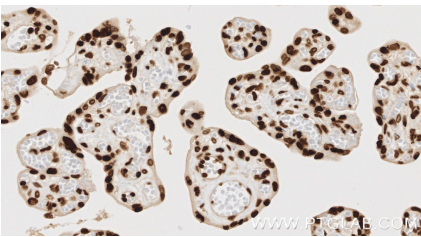
Trichostatin A treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 86731-1-RR (Acetyl-Histone H2B (Lys12) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with GAPDH Monoclonal antibody (60004-1-Ig) as loading control.



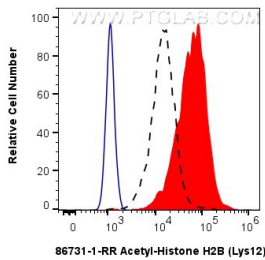
Trichostatin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 86731-1-RR (Acetyl-Histone H2B (Lys12) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with GAPDH Monoclonal antibody (60004-1-Ig) as loading control.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 86731-1-RR (Acetyl-Histone H2B (Lys12) antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 86731-1-RR (Acetyl-Histone H2B (Lys12) antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10⁶ Trichostatin A treated NIH/3T3 cells were intracellularly stained with 0.13 µg Acetyl-Histone H2B (Lys12) Recombinant monoclonal antibody (86731-1-RR, Clone:250005E8) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.13 µg Isotype Control (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF000026).