

For Research Use Only

Acetyl-Histone H4 (Lys91) Recombinant monoclonal antibody

Catalog Number:86768-1-RR



Basic Information

Catalog Number:

86768-1-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC069654

GeneID (NCBI):

8359

UNIPROT ID:

P62805

Full Name:

histone cluster 1, H4a

Observed MW:

15 kDa

Purification Method:

Protein A purification

CloneNo.:

251157D9

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:1000-1:4000

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, Trichostatin A treated HSC-T6 cells

IF/ICC : Trichostatin A treated HeLa cells,

Dot Blot : / /,

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:

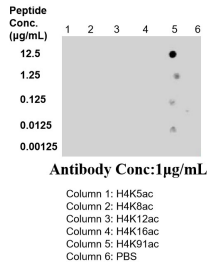
T: 4006900926

E: Proteintech-CN@ptglab.com

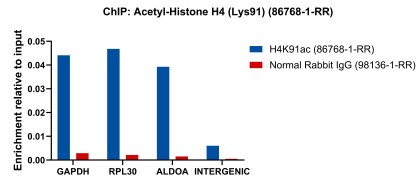
W: ptgcn.com

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

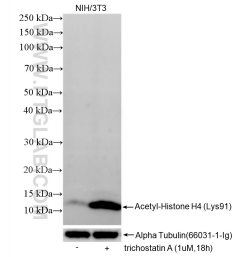
Selected Validation Data



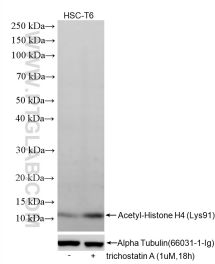
Dot blot analysis was used to confirm the specificity of 86768-1-RR Acetyl-Histone H4 (Lys91) antibody. peptides were spotted onto NC and probed with antibody at 1 µg/mL. The amount of peptide (µg/mL) spotted is indicated next to each row.



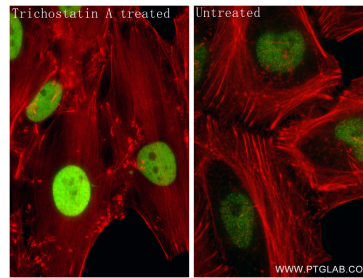
Chromatin was prepared from HeLa cells. Cells were fixed with formaldehyde for 10 minutes. The ChIP was performed with 15 µg of cross-linked chromatin, 5 µg of Acetyl-Histone H4 (Lys91) (86768-1-RR) or 5 µg of Normal Rabbit IgG (98136-1-RR), and 20 µl of Protein A Magarose Beads. The immunoprecipitated DNA was quantified by real-time PCR.



Various lysates were subjected to SDS PAGE followed by western blot with 86768-1-RR (Acetyl-Histone H4 (Lys91) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Trichostatin A treated HSC-T6 cells were subjected to SDS PAGE followed by western blot with 86768-1-RR (Acetyl-Histone H4 (Lys91) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Trichostatin A treated HeLa cells using Acetyl-Histone H4 (Lys91) antibody (86768-1-RR, Clone: 251157D9) at dilution of 1:2000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).