

For Research Use Only

# Acetyl-Histone H3 (Lys9) Recombinant antibody

Catalog Number: 84543-1-RR



## Basic Information

Catalog Number:

84543-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC066245

GeneID (NCBI):

8350

UNIPROT ID:

P68431

Full Name:

histone cluster 1, H3a

Observed MW:

17 kDa

Purification Method:

Protein A purification

CloneNo.:

241596F9

Recommended Dilutions:

WB: 1:2000-1:10000

IF/ICC: 1:200-1:800

Dot Blot: 1:10-1:100

ChIP-qPCR: 1:10-1:100

ChIP: 1:10-1:100

## Applications

Tested Applications:

WB, IF/ICC, ChIP, Dot Blot, ELISA, ChIP-qPCR

Species Specificity:

human

Positive Controls:

WB: Trichostatin A treated HeLa cells, HEK-293 cells

IF/ICC: HeLa cells,

Dot Blot: peptide,

ChIP-qPCR: HeLa cells,

ChIP: 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:

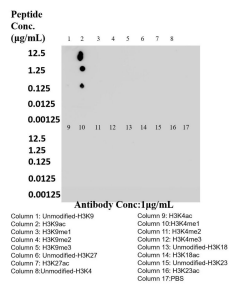
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

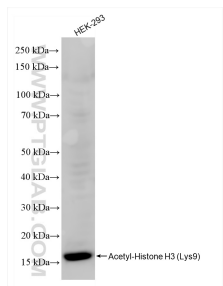
W: [ptgcn.com](http://ptgcn.com)

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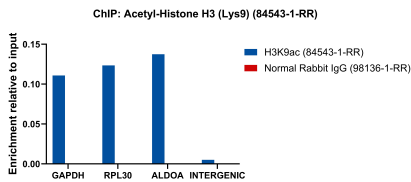
Selected Validation Data



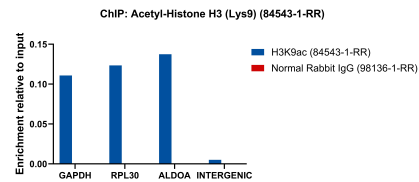
Dot blot analysis was used to confirm the specificity of Acetyl-Histone H3 (Lys9) antibody. Acetylated peptides were spotted onto NC and probed with antibody at 1 µg/mL. The amount of peptide ( µ g/mL) spotted is indicated next to each row.



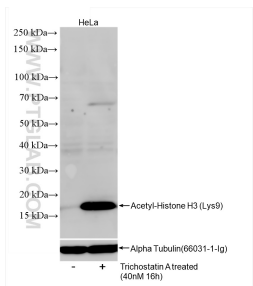
HEK-293 cells were subjected to SDS PAGE followed by western blot with 84543-1-RR (Acetyl-Histone H3 (Lys9) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



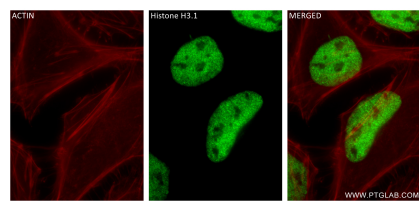
Chromatin was prepared from HeLa cells. Cells were fixed with formaldehyde for 10 minutes. The ChIP was performed with 15 µg of cross-linked chromatin, 5 µg of Acetyl-Histone H3 (Lys9) (84543-1-RR) or 5 ug of Normal Rabbit IgG (98136-1-RR), and 20 µl of Protein A Magarose Beads. The immunoprecipitated DNA was quantified by real-time PCR.



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Trichostatin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 84543-1-RR (Acetyl-Histone H3 (Lys9) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Alpha Tubulin Monoclonal antibody (66031-1-Ig) as loading control.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HIST1H3A antibody (84543-1-RR, Clone: 241596F9 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).