

For Research Use Only

# Acetyl-Histone H4 (Lys91) Recombinant monoclonal antibody

Catalog Number: 86768-1-RR



## Basic Information

<b>Catalog Number:</b> 86768-1-RR	<b>GenBank Accession Number:</b> BC069654	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8359	<b>CloneNo.:</b> 251157D9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P62805	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:1000-1:4000 Dot Blot: 1:10-1:100 ChIP-qPCR: 1:10-1:100
<b>Isotype:</b> IgG	<b>Full Name:</b> histone cluster 1, H4a	
	<b>Observed MW:</b> 15 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, Dot Blot, ELISA, ChIP-qPCR	<b>Positive Controls:</b> WB : Trichostatin A treated NIH/3T3 cells, Trichostatin A treated HSC-T6 cells
<b>Species Specificity:</b> human, mouse, rat	<b>IF/ICC :</b> Trichostatin A treated HeLa cells,
	<b>Dot Blot :</b> / / ,
	<b>ChIP-qPCR :</b> HeLa cells,

## Storage

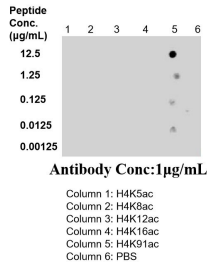
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

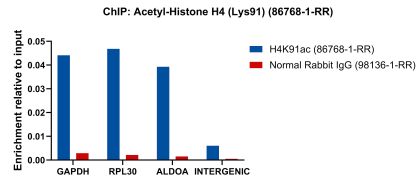
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

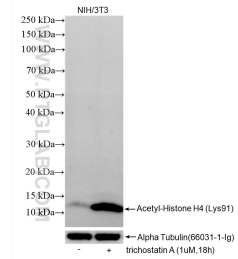
## Selected Validation Data



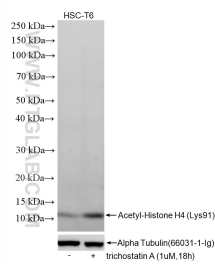
Dot blot analysis was used to confirm the specificity of 86768-1-RR Acetyl-Histone H4 (Lys91) antibody. peptides were spotted onto NC and probed with antibody at 1 µg/mL. The amount of peptide (µg/mL) spotted is indicated next to each row.



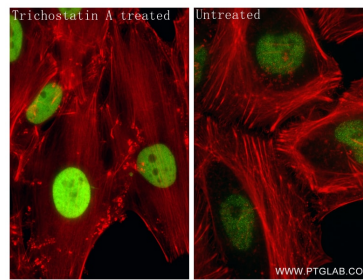
Chromatin was prepared from HeLa cells. Cells were fixed with formaldehyde for 10 minutes. The ChIP was performed with 15 µg of cross-linked chromatin, 5 µg of Acetyl-Histone H4 (Lys91) (86768-1-RR) or 5 µg of Normal Rabbit IgG (98136-1-RR), and 20 µl of Protein A Magarose Beads. The immunoprecipitated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