

For Research Use Only

# Acetyl-Histone H3 (Lys18) Recombinant antibody

Catalog Number: 82832-1-RR



## Basic Information

<b>Catalog Number:</b> 82832-1-RR	<b>GenBank Accession Number:</b> BC066245	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8350	<b>CloneNo.:</b> 2E3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P68431	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> histone cluster 1, H3a	
	<b>Observed MW:</b> 15 kDa	

## Applications

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

## Background Information

Histones, including H1/H5 (linker histones), H2, H3, and H4 (core histones), are nucleic proteins which interact with DNA to form the nucleosomes and play important roles in gene regulation and DNA replication. Histone proteins are highly post-translationally modified while Histone H3 is the most extensively modified.

## Storage

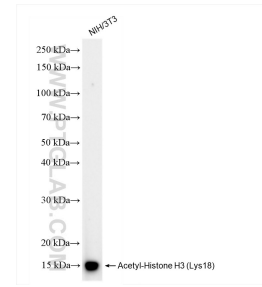
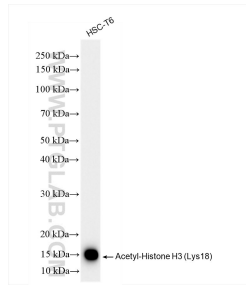
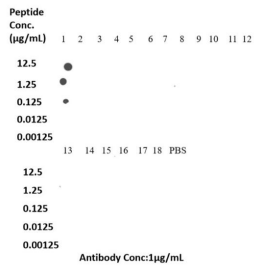
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 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  
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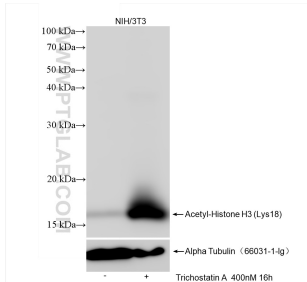
## Selected Validation Data



Dot blot analysis was used to confirm the specificity of 82832-1-RR Acetyl-Histone H3 (Lys18) antibody. Acetylated 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. Column 1: H3AK18Ac. Column 2: Unmodified H3AK18. Column 3: H3AK36Ac. Column 4: Unmodified H3AK36. Column 5: H3AK23Ac. Column 6: Unmodified H3AK23. Column 7: H3AK122Ac. Column 8: Unmodified H3AK122.

HSC-T6 cells were subjected to SDS PAGE followed by western blot with 82832-1-RR (Acetyl-Histone H3 (Lys18) antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.

NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 82832-1-RR (Acetyl-Histone H3 (Lys18) antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Trichostatin A treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 82832-1-RR (Acetyl-Histone H3 (Lys18) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.