

For Research Use Only

# Acetyl-Histone H3 (Lys18) Recombinant antibody, PBS Only

Catalog Number: 82832-1-PBS



## Basic Information

Catalog Number:

82832-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC066245

GeneID (NCBI):

8350

UNIPROT ID:

P68431

Full Name:

histone cluster 1, H3a

Observed MW:

15 kDa

Purification Method:

Protein A purification

CloneNo.:

2E3

## Applications

Tested Applications:

WB, Dot Blot, Indirect ELISA

Species Specificity:

human, mouse, rat

## 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

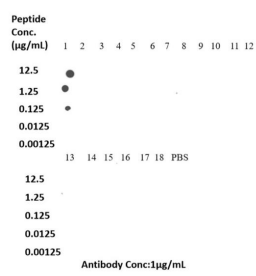
T: 4006900926

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

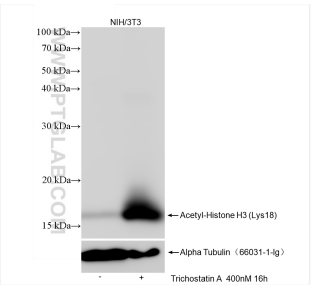
W: [ptgcn.com](http://ptgcn.com)

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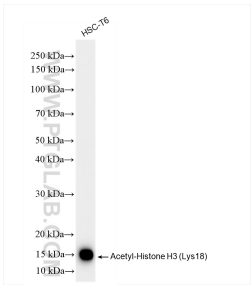
Selected Validation Data



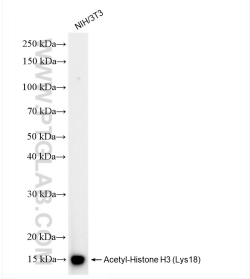
Dot blot analysis was used to confirm the specificity of 82832-1-RR Acetyl-Histone H3 (Lys18) antibody. Acetylated peptides were spotted onto NC and probed with antibody at 1 µg/mL. The amount of peptide (µg/mL) spotted is indicated next to each row. Column 1: H3AK18Ac. Column 2: Unmodified H3AK18. Column 3: H3AK36Ac. Column 4: Unmodified H3AK36. Column 5: H3AK23Ac. Column 6: Unmodified H3AK23. Column 7: H3AK122Ac. Column 8: Unmodified H3AK122. Column 9:



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. The membrane was stripped and reblotted with Alpha Tubulin Monoclonal antibody (66031-1-Ig) as loading control. This data was developed using the same antibody clone with 82832-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 82832-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 82832-1-PBS in a different storage buffer formulation.