

For Research Use Only

# Acetyl-Histone H3 (Lys122) Recombinant monoclonal antibody

Catalog Number:87007-1-RR



## Basic Information

Catalog Number:

87007-1-RR

Size:

100ul , Concentration: 1000 µg/ml by

Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC066245

GeneID (NCBI):

8350

UNIPROT ID:

P68431

Full Name:

histone cluster 1, H3a

Observed MW:

13-15 kDa

Purification Method:

Protein A purification

CloneNo.:

251156E2

Recommended Dilutions:

WB: 1:2000-1:10000

Dot Blot: 1:10-1:100

ChIP-qPCR: 1:10-1:100

## Applications

Tested Applications:

WB, Dot Blot, ELISA, ChIP-qPCR

Species Specificity:

human, mouse

Positive Controls:

WB : Trichostatin A treated NIH/3T3 cells,

Dot Blot: //,

ChIP-qPCR : 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

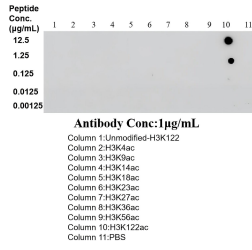
For technical support and original validation data for this product please contact:

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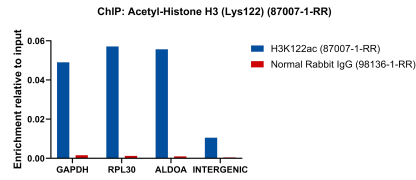
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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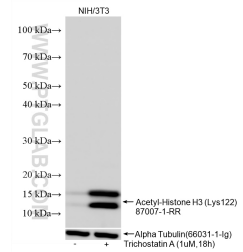
## Selected Validation Data



Dot blot analysis was used to confirm the specificity of 87007-1-RR Acetyl-Histone H3 (Lys122) 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 H3 (Lys122) (87007-1-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.



Trichostatin A treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 87007-1-RR (Acetyl-Histone H3 (Lys122) 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.