

For Research Use Only

# Acetyl-Histone H3 (Lys36) Recombinant monoclonal antibody, PBS Only

Catalog Number: 82828-14-PBS



## Basic Information

Catalog Number:

82828-14-PBS

Size:

100ug, Concentration: 1 mg/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:

15 kDa

Purification Method:

Protein A purification

CloneNo.:

250370A9

## Applications

Tested Applications:

WB, Dot Blot, Indirect ELISA, ChIP-qPCR

Species Specificity:

human, mouse

## Background Information

H3K36ac peaks at the 5' end of genes, mainly on the two nucleosomes immediately distal to the transcription start site, independently of gene length. H3K36ac and H3K36me3 showed negative correlation, which is mediated by GCN5 and the histone methyl transferase SDX8. Although H3K36ac is associated with gene activity, there is no linear relationship between H3K36ac and transcript levels, suggesting that H3K36ac is a binary indicator of transcription.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

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

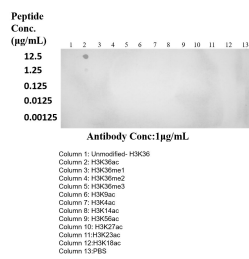
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

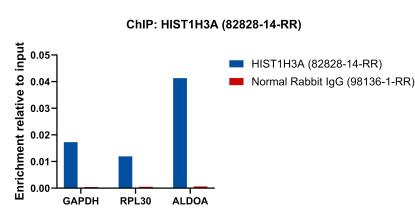
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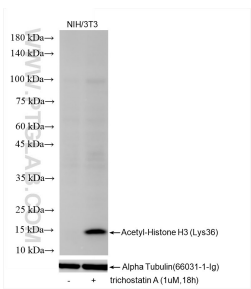
Selected Validation Data



Dot blot analysis was used to confirm the specificity of 82828-14-RR Acetyl-Histone H3(Lys36) 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. This data was developed using the same antibody clone with 82828-14-PBS in a different storage buffer formulation.



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 HIST1H3A (82828-14-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. This data was developed using the same antibody clone with 82828-14-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 82828-14-RR (Acetyl-Histone H3 (Lys36) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82828-14-PBS in a different storage buffer formulation.