For Research Use Only

Mono-Methyl-Histone H3 (Lys9) Recombinant antibody

Catalog Number:82821-6-RR

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Basic Information

Catalog Number:
82821-6-RR

Size:
1000 ug/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.:
3C23

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, Dot Blot, ELISA

Species Specificity:
human, rat

Positive Controls:

WB : HeLa cells, HEK-293 cells, K-562 cells, THP-1 cells, HSC-T6 cells

Background Information

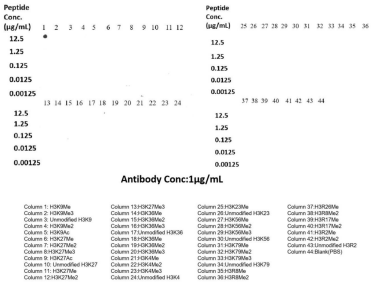
Histones, including H1/H5 (linker histones), H2, H3, and H4 (core histones), are nucleic proteins which interact with DNA to form the nucleosomes and play important roles in gene regulation and DNA replication. Histone proteins are highly post-translationally modified while Histone H3 is the most extensively modified. Methylation of Histone H3 at lysine 9 is linked to transcriptional repression.

Storage

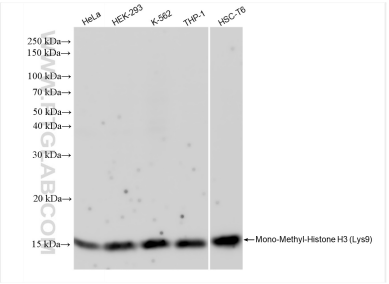
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Dot blot analysis was used to confirm the specificity of 82821-6-RR Mono-Methyl-Histone H3 (Lys9) antibody. Peptides were spotted onto NC and probed with antibody at 1 µg/ml. The amount of peptide (ug/mL) spotted is indicated next to each row.



Various lysates were subjected to SDS PAGE followed by western blot with 82821-6-RR (Mono-Methyl-Histone H3 (Lys9) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.