

For Research Use Only

Acetyl-Histone H2A (Lys9) Recombinant antibody, PBS Only

Catalog Number: 82823-2-PBS



Basic Information

Catalog Number:

82823-2-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC062211

GeneID (NCBI):

221613

UNIPROT ID:

Q96QV6

Full Name:

histone cluster 1, H2aa

Observed MW:

16 kDa

Purification Method:

Protein A purification

CloneNo.:

1017

Applications

Tested Applications:

WB, Dot Blot, Indirect ELISA, ChIP-qPCR

Species Specificity:

human

Background Information

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:

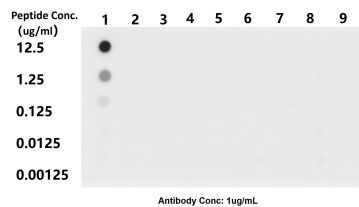
T: 4006900926

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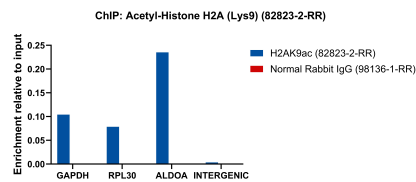
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

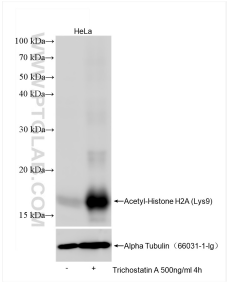


Dot blot analysis was used to confirm the specificity of Histone H2AK9ac antibody. Acetylated peptides were spotted onto NC and probed with antibody at 1 µg/mL. The amount of peptide (µg/mL) spotted is indicated next to each row. Column 1: H2AK9ac. Column 2: Unmodified H2AK9. Column 3: H2AK5ac. Column 4: Unmodified H2AK5. Column 5: H2AK13ac. Column 6: Unmodified H2AK13. Column 7: H2AK15ac. Column 8: Unmodified H2AK15. Column 9: Blank (PBS).

Dot blot analysis was used to confirm the specificity of Acetyl-Histone H2A (Lys9) 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: H2AK9ac. Column 2: Unmodified H2AK9. Column 3: H2AK5ac. Column 4: Unmodified H2AK5. Column 5: H2AK13ac. Column 6: Unmodified H2AK13. Column 7: H2AK15ac. Column 8: Unmodified H2AK15. Column 9: Blank (PBS).



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 H2A (Lys9) (82823-2-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 82823-2-PBS in a different storage buffer formulation.



Trichostatin A treated and untreated HeLa cell lysates were subjected to SDS PAGE followed by western blot with 82823-2-RR (Acetyl-Histone H2A (Lys9) antibody) at dilution of 1:2500 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 82823-2-PBS in a different storage buffer formulation.