

## Rabbit Histone H3K18ac Polyclonal Antibody | anti-H3K18ac antibody

Histone H3K18ac antibody (pAb)

| CATALOG # | HOST   | REACTIVITY                  | APPLICATIONS                                                                                                        |
|-----------|--------|-----------------------------|---------------------------------------------------------------------------------------------------------------------|
| AAA59918  | Rabbit | Human, Wide Range Predicted | Western Blot, Immunofluorescence, Immunocytochemistry, Dot Blot, Chromatin Immunoprecipitation, Immunoprecipitation |

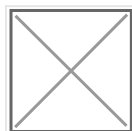
### PRODUCT SYNONYMS

Histone H3K18ac; Polyclonal Antibody; Histone H3K18ac antibody (pAb); anti-H3K18ac antibody

### PRODUCT SPECIFICATIONS

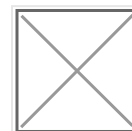
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|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                                                                                    |
| Reactivity                                        | Human, Wide Range Predicted                                                                                                                                                                                                                                                               |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                                                                                |
| Form/Format                                       | Rabbit serum containing 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.                                                                                                                                                                                               |
| Applicable Applications for anti-H3K18ac antibody | WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), DB (Dot Blot), ChIP (Chromatin immunoprecipitation)                                                                                                                                                                |
| Conjugation                                       | Acetylated                                                                                                                                                                                                                                                                                |
| Immunogen                                         | This Histone H3 acetyl Lys18 antibody was raised against a peptide including acetyl-lysine 18 of histone H3.                                                                                                                                                                              |
| Abs Residue                                       | Lys                                                                                                                                                                                                                                                                                       |
| Preparation and Storage                           | Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul |

### IMAGES



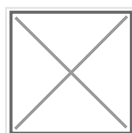
#### DB (Dot Blot)

Histone H3 acetyl Lys18 pAb tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of Histone H3 acetyl Lys18 pAb for acetyl Lys18 histone H3. Acetylated peptides corresponding to the immunogen and related peptides were spotted onto PVDF and probed with the antibody at a dilution of 1:500. The amount of peptide (picomoles) spotted is indicated next to each row. Lane 1: acetyl-Lys4 peptide. Lane 2: acetyl-Lys9 peptide. Lane 3: acetyl-Lys14 peptide. Lane 4: acetyl-Lys18 peptide. Lane 5: acetyl-Lys23 peptide. Lane 6: acetyl-Lys27 peptide. Lane 7: acetyl-Lys36 peptide. Lane 8: acetyl-Lys37 peptide. Lane 9: acetyl-Lys64 peptide. Lane 10: acetyl-Lys79 peptide.



#### WB (Western Blot)

Histone H3 acetyl Lys18 pAb tested by Western blot. HeLa nuclear extract (20 ug per lane) probed with Histone H3 acetyl Lys18 pAb (1:2,000 dilution). Lane 1: Untreated cells. Lane 2: Cells treated with sodium butyrate.



#### IF (Immunofluorescence)

Histone H3 acetyl Lys18 pAb tested by immunofluorescence. Left: HeLa cells stained with Histone H3 acetyl Lys18 pAb. Right: DAPI stain.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-H3K18ac antibody | <p>Short Description: Our Histone H3K18ac antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, Dot blot, Immunocytochemistry, Immunofluorescence and Western blot; it has been shown to react with Human samples, but it is predicted that it will react with a wide range of sample types.</p> <p>Background: Histone H3 is one of the core components of the nucleosome. The nucleosome is the smallest subunit of chromatin and consists of 147 base pairs of DNA wrapped around an octamer of core histone proteins (two each of Histone H2A, Histone H2B, Histone H3 and Histone H4). Chromatin is subject to a variety of chemical modifications, including post-translational modifications of the histone proteins and the methylation of cytosine residues in the DNA. Reported histone modifications include acetylation, methylation, phosphorylation, ubiquitylation, glycosylation, ADP-ribosylation, carbonylation and SUMOylation; these modifications play a major role in regulating gene expression. Acetylation of histones is linked to a number of specific processes including transcriptional regulation and genomic organization.</p> |
| Product Categories/Family for anti-H3K18ac antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                  |       |
|------------------|-------|
| Molecular Weight | 17kDa |
|------------------|-------|

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/histone-h3k18ac-antibody-western-blot-immunofluorescence-immunocytochemistry-dot-blot-chromatin-immunoprecipitation-elisa/59918>