

## Rabbit Acetyl-Histone H3-K36 Polyclonal Antibody | anti-Acetyl-H3-K36 antibody

Acetyl-Histone H3-K36 Rabbit pAb

| CATALOG # | HOST   | REACTIVITY                            | APPLICATIONS                     |
|-----------|--------|---------------------------------------|----------------------------------|
| AAA281615 | Rabbit | Human, Mouse, Rat, Other (Wide Range) | Immunofluorescence, Western Blot |

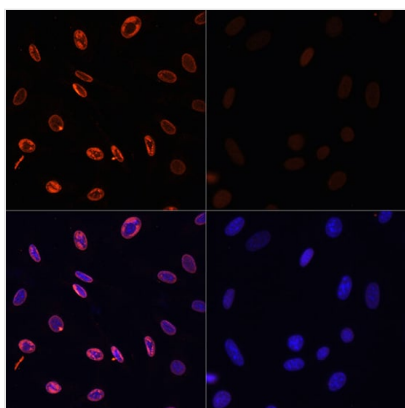
### PRODUCT SYNONYMS

Acetyl-Histone H3-K36; Polyclonal Antibody; Acetyl-Histone H3-K36 Rabbit pAb; H3.4; H3/g; H3FT; H3t; HIST3H3; Histone H3; HIST1H3A; anti-Acetyl-H3-K36 antibody

### PRODUCT SPECIFICATIONS

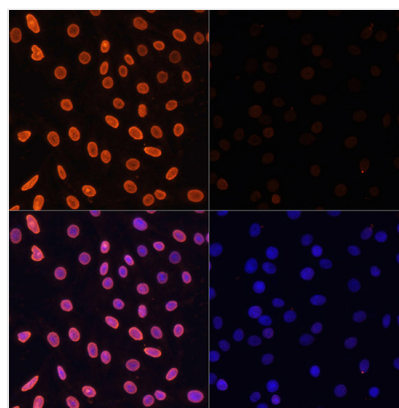
|                                                         |                                                                              |
|---------------------------------------------------------|------------------------------------------------------------------------------|
| Host                                                    | Rabbit                                                                       |
| Reactivity                                              | Human, Mouse, Rat, Other (Wide Range)                                        |
| Clonality                                               | Polyclonal                                                                   |
| Isotype                                                 | IgG                                                                          |
| Purity/Purification                                     | Affinity purification                                                        |
| Form/Format                                             | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                            |
| Sequence                                                | GGVKK                                                                        |
| Applicable Applications for anti-Acetyl-H3-K36 antibody | IF (Immunofluorescence), WB (Western Blot)                                   |
| Immunogen                                               | A synthetic acetylated peptide around K36 of human Histone H3 (NP_003484.1). |
| Cellular Location                                       | Chromosome, Nucleus                                                          |
| Positive Samples                                        | HeLa, NIH/3T3                                                                |
| Preparation and Storage                                 | Store at -20 degree C. Avoid freeze/thaw cycles.                             |

### IMAGES



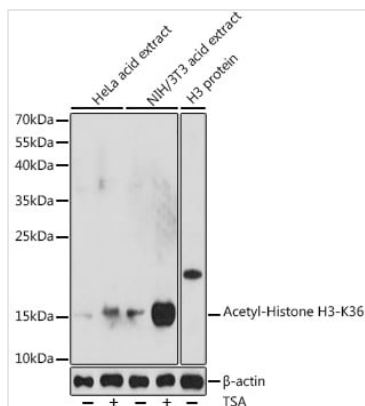
#### IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using Acetyl-Histone H3-K36 antibody at dilution of 1:100. NIH/3T3 cells were treated by TSA (1 uM) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



#### IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using Acetyl-Histone H3-K36 antibody at dilution of 1:100. C6 cells were treated by TSA (1 uM) at 37°C for 18 hours. Blue: DAPI for nuclear staining.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Acetyl-Histone H3-K36 antibody at 1:1000 dilution. HeLa cells and NIH/3T3 cells were treated by TSA (1 uM) at 37°C for 18 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

### ADDITIONAL INFORMATION

|                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-Acetyl-H3-K36 antibody</b> | <p>Background: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.</p> |
| <b>Product Categories/Family for anti-Acetyl-H3-K36 antibody</b>   | <p>Epigenetics &amp; Nuclear Signaling; Epigenetic Modifications; Methylation; Research; Epigenetics &amp; Nuclear Signaling; Epigenetic Modifications; Acetylation; Research; Epigenetics &amp; Nuclear Signaling; Epigenetic Modifications; Phosphorylation; Research; Prote</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| NCBI GI #                        | 4504299                                                         |
| NCBI GeneID                      | 8290                                                            |
| NCBI Accession #                 | NP_003484.1                                                     |
| NCBI GenBank Nucleotide #        | NM_003493.2                                                     |
| UniProt Accession #              | Q16695; Q6FGU4; B2R5K3                                          |
| Molecular Weight                 | 136                                                             |
| NCBI Official Full Name          | histone H3.1t                                                   |
| NCBI Official Synonym Full Names | histone cluster 3, H3                                           |
| NCBI Official Symbol             | HIST3H3                                                         |
| NCBI Official Synonym Symbols    | H3t; H3.4; H3/g; H3FT                                           |
| NCBI Protein Information         | histone H3.1t; H3/t; histone 3, H3; H3 histone family, member T |
| UniProt Protein Name             | Histone H3.1t                                                   |
| UniProt Gene Name                | <b>HIST3H3</b>                                                  |
| UniProt Synonym Gene Names       | H3FT; H3/t; H3t                                                 |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/acyl-histone-h3-k36-antibody-immunofluorescence-western-blot-elisa/281615>