

## Rabbit TriMethyl-Histone H3-K64 Polyclonal Antibody | anti-TriMethyl-H3-K64 antibody

TriMethyl-Histone H3-K64 Rabbit pAb

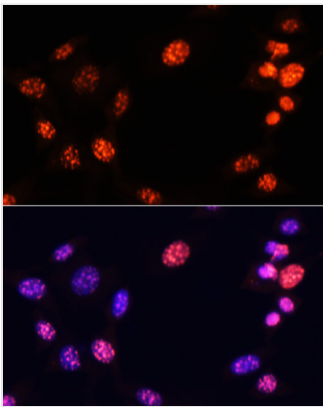
| CATALOG # | HOST   | REACTIVITY                            | APPLICATIONS                                           |
|-----------|--------|---------------------------------------|--------------------------------------------------------|
| AAA28312  | Rabbit | Human, Mouse, Rat, Other (Wide Range) | Western Blot, Immunohistochemistry, Immunofluorescence |

### PRODUCT SYNONYMS

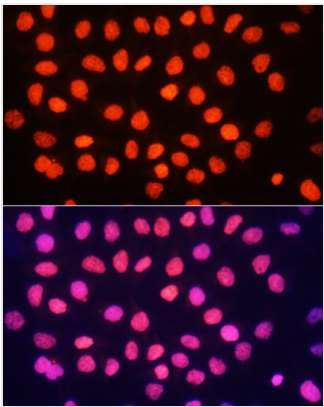
TriMethyl-Histone H3-K64; Polyclonal Antibody; TriMethyl-Histone H3-K64 Rabbit pAb; H3.4; H3/g; H3FT; H3t; HIST3H3; Histone H3; HIST1H3A; anti-TriMethyl-H3-K64 antibody

### PRODUCT SPECIFICATIONS

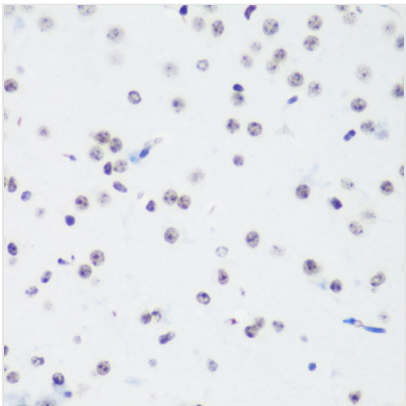
|                                                            |                                                                                 |
|------------------------------------------------------------|---------------------------------------------------------------------------------|
| Host                                                       | 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                                                   | LIRKL                                                                           |
| Applicable Applications for anti-TriMethyl-H3-K64 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)          |
| Application Notes                                          | WB: 1:500-1:2000<br>IHC: 1:50-1:200<br>IF: 1:50-1:200                           |
| Immunogen                                                  | A synthetic trimethylated peptide around K64 of human Histone H3 (NP_003520.1). |
| Cellular Location                                          | Chromosome, Nucleus                                                             |
| Positive Samples                                           | HeLa, NIH/3T3, C6                                                               |
| Preparation and Storage                                    | Store at -20 degree C. Avoid freeze/thaw cycles.                                |



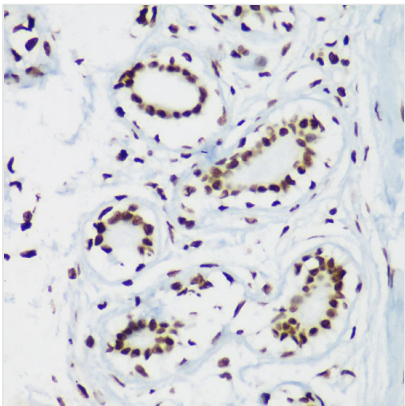
**IF (Immunofluorescence)**  
Immunofluorescence analysis of NIH/3T3 cells using TriMethyl-Histone H3-K64 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



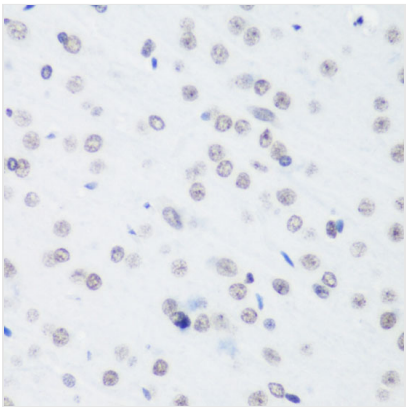
**IF (Immunofluorescence)**  
Immunofluorescence analysis of HeLa cells using TriMethyl-Histone H3-K64 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



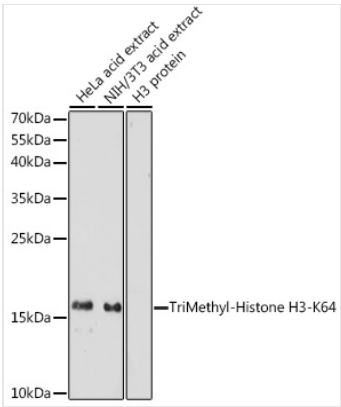
**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded mouse brain using TriMethyl-Histone H3-K64 antibody at dilution of 1:100 (40x lens).



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded human breast using TriMethyl-Histone H3-K64 antibody at dilution of 1:100 (40x lens).



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded rat brain using TriMethyl-Histone H3-K64 antibody at dilution of 1:100 (40x lens).



**WB (Western Blot)**  
Western blot analysis of extracts of various cell lines, using TriMethyl-Histone H3-K64 antibody at 1:1000 dilution. 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: 120s.

ADDITIONAL INFORMATION

|                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TriMethyl-H3-K64 antibody | 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. |
| Product Categories/Family for anti-TriMethyl-H3-K64 antibody   | <a href="#">Epigenetics &amp; Nuclear Signaling</a> ; <a href="#">Epigenetic Modifications</a> ; <a href="#">Methylation</a> ; <a href="#">Research</a> ; <a href="#">Epigenetics &amp; Nuclear Signaling</a> ; <a href="#">Epigenetic Modifications</a> ; <a href="#">Acetylation</a> ; <a href="#">Research</a> ; <a href="#">Epigenetics &amp; Nuclear Signaling</a> ; <a href="#">Epigenetic Modifications</a> ; <a href="#">Phosphorylation</a> ; <a href="#">Research</a> ; <a href="#">Prote</a>                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">4504299</a>                                                  |
| NCBI GeneID                      | <a href="#">8290</a>                                                     |
| NCBI Accession #                 | <a href="#">NP_003484.1</a>                                              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_003493.2</a>                                              |
| UniProt Accession #              | <a href="#">Q16695</a> ; <a href="#">Q6FGU4</a> ; <a href="#">B2R5K3</a> |
| 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                                                          |
| UniProt Entry Name               | H31T_HUMAN                                                               |

**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/trimethyl-histone-h3-k64-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/28312>