

## Rabbit anti-Human, Rat HIST1H1C Polyclonal Antibody | anti-HIST1H1C antibody

Formyl-HIST1H1C (K109) Antibody

|                               |                       |                                 |                                                                |
|-------------------------------|-----------------------|---------------------------------|----------------------------------------------------------------|
| CATALOG #<br><b>AAA234368</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|---------------------------------|----------------------------------------------------------------|

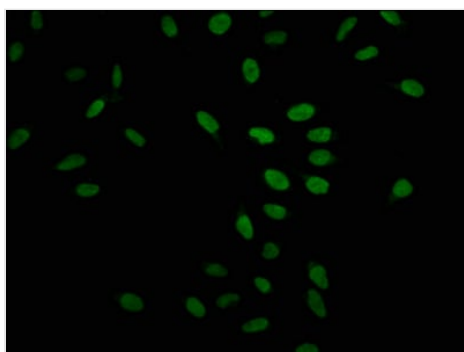
### PRODUCT SYNONYMS

HIST1H1C; Polyclonal Antibody; Formyl-HIST1H1C (K109) Antibody; Histone H1.2; Histone H1c; Histone H1d; Histone H1s-1; H1F2; anti-HIST1H1C antibody

### PRODUCT SPECIFICATIONS

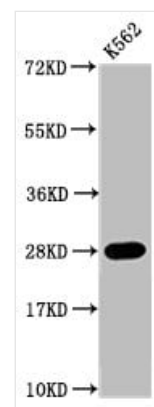
|                                                    |                                                                                   |
|----------------------------------------------------|-----------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                            |
| Reactivity                                         | Human, Rat                                                                        |
| Clonality                                          | Polyclonal                                                                        |
| Isotype                                            | IgG                                                                               |
| Purity/Purification                                | Antigen Affinity Purified                                                         |
| Form/Format                                        | Liquid                                                                            |
| Sequence Length                                    | 213                                                                               |
| Applicable Applications for anti-HIST1H1C antibody | IF (Immunofluorescence), WB (Western Blot), ELISA                                 |
| Immunogen                                          | Peptide sequence around site of formyl-Lys (109) derived from human Histone H1.2. |
| Conjugation                                        | Non-conjugated                                                                    |
| Buffer                                             | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4  |
| Preparation and Storage                            | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.       |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence staining of hela with AAA234368 at 1:20, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



#### WB (Western Blot)

Western Blot Positive WB detected in: K562 whole cell lysate (all treated by 30mM sodium butyrate for 4h) All lanes: HIST1H1C antibody at 0.64ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 22 KDa Observed band size: 28 KDa

ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HIST1H1C antibody | Histone H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber. Histones H1 are necessary for the condensation of nucleosome chains into higher-order structured fibers. Acts also as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (By similarity). |
| Product Categories/Family for anti-HIST1H1C antibody   | Epigenetics and Nuclear Signaling                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                      |
|----------------------------------|--------------------------------------|
| NCBI GI #                        | 4885375                              |
| NCBI GeneID                      | 3006                                 |
| NCBI Accession #                 | NP_005310.1                          |
| NCBI GenBank Nucleotide #        | NM_005319.3                          |
| UniProt Accession #              | P16403; A8K4I2                       |
| Molecular Weight                 | 21,365 Da                            |
| NCBI Official Full Name          | histone H1.2                         |
| NCBI Official Synonym Full Names | histone cluster 1 H1 family member c |
| NCBI Official Symbol             | HIST1H1C                             |
| NCBI Official Synonym Symbols    | H1C; H1.2; H1F2; H1s-1               |
| NCBI Protein Information         | histone H1.2                         |
| UniProt Protein Name             | Histone H1.2                         |
| UniProt Gene Name                | HIST1H1C                             |
| UniProt Synonym Gene Names       | H1F2                                 |

**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/hist1h1c-antibody-immunofluorescence-western-blot-elisa/234368>