

## Rabbit anti-Human HIST1H3A Polyclonal Antibody | anti-HIST1H3A antibody

HIST1H3A(Ab-14) Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                    |
|-----------|--------|------------|-------------------------------------------------|
| AAA234535 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA |

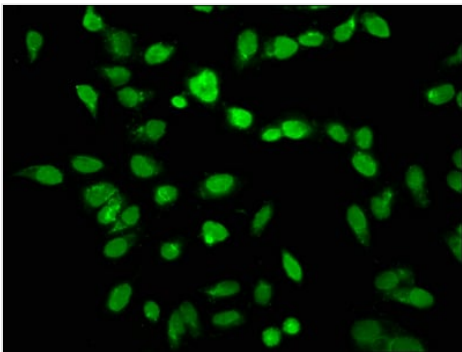
### PRODUCT SYNONYMS

HIST1H3A; Polyclonal Antibody; HIST1H3A(Ab-14) Antibody; Histone H3.1; Histone H3/a; Histone H3/b; Histone H3/c; Histone H3/d; Histone H3/f; Histone H3/h; Histone H3/i; Histone H3/j; Histone H3/k; Histone H3/l; H3FA; AND; HIST1H3B; H3FL; HIST1H3C; H3FC; HIST1H3D; H3FB; HIST1H3E; H3FD; HIST1H3F; H3FI; HIST1H3G; H3FH; HIST1H3H; H3FK; HIST1H3I; H3FF; HIST1H3J; H3FJ; anti-HIST1H3A antibody

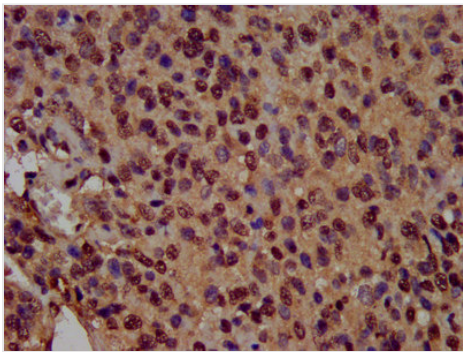
### PRODUCT SPECIFICATIONS

|                                                    |                                                                                  |
|----------------------------------------------------|----------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                           |
| Reactivity                                         | Human                                                                            |
| Clonality                                          | Polyclonal                                                                       |
| Isotype                                            | IgG                                                                              |
| Purity/Purification                                | Antigen Affinity Purified                                                        |
| Form/Format                                        | Liquid                                                                           |
| Sequence Length                                    | 136                                                                              |
| Applicable Applications for anti-HIST1H3A antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                       |
| Immunogen                                          | Peptide sequence around site of Succinyl-Lys(14) derived from human Histone H3   |
| 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 cells with AAA234535, 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).



**IHC (Immunohistochemistry)**  
IHC image of AAA234535 diluted at 1:100 and staining in paraffin-embedded human glioma cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

|                                                      |                                   |
|------------------------------------------------------|-----------------------------------|
| Product Categories/Family for anti-HIST1H3A antibody | Epigenetics and Nuclear Signaling |
|------------------------------------------------------|-----------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4504281                                                                                        |
| NCBI GeneID                      | 8350                                                                                           |
| NCBI Accession #                 | NP_003520.1                                                                                    |
| NCBI GenBank Nucleotide #        | NM_003529.2                                                                                    |
| UniProt Accession #              | P68431; P02295; P02296; P16106; Q6ISV8; Q6NWP8; Q6NWP9; Q6NXU4; Q71DJ3; Q93081; A0PJT7; A5PLR1 |
| Molecular Weight                 | 15,404 Da                                                                                      |
| NCBI Official Full Name          | histone H3.1                                                                                   |
| NCBI Official Synonym Full Names | histone cluster 1 H3 family member a                                                           |
| NCBI Official Symbol             | HIST1H3A                                                                                       |
| NCBI Official Synonym Symbols    | H3/A; H3FA                                                                                     |
| NCBI Protein Information         | histone H3.1                                                                                   |
| UniProt Protein Name             | Histone H3.1                                                                                   |
| UniProt Gene Name                | HIST1H3A                                                                                       |
| UniProt Synonym Gene Names       | H3FA                                                                                           |

**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.