

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

Rabbit anti-Human HIST1H3A Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                |
|-----------|--------|------------|-----------------------------|
| AAA244082 | Rabbit | Human      | Immunohistochemistry, ELISA |

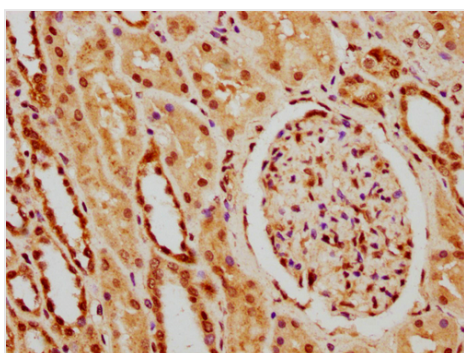
### PRODUCT SYNONYMS

HIST1H3A; Polyclonal Antibody; Rabbit anti-Human HIST1H3A Polyclonal 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); HIST1H3B; HIST1H3C; HIST1H3D; HIST1H3E; HIST1H3F; HIST1H3G; HIST1H3H; HIST1H3I; HIST1H3J; H3FA; H3FL; H3FC; H3FB; H3FD; H3FI; H3FH; H3FK; H3FF; H3FJ; HIST1H3A (Ab-41) Antibody; anti-HIST1H3A antibody

### PRODUCT SPECIFICATIONS

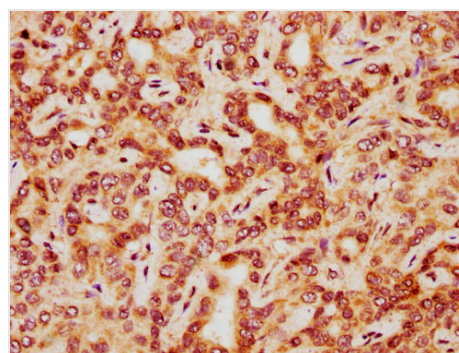
|                                                    |                                                                                         |
|----------------------------------------------------|-----------------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                                  |
| Reactivity                                         | Human                                                                                   |
| Clonality                                          | Polyclonal                                                                              |
| Isotype                                            | IgG                                                                                     |
| Purity/Purification                                | Antigen Affinity Purified                                                               |
| Form/Format                                        | Liquid. Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH7.4 |
| Applicable Applications for anti-HIST1H3A antibody | IHC (Immunohistochemistry), ELISA                                                       |
| Immunogen Species                                  | Human                                                                                   |
| Immunogen                                          | Synthesized peptide derived from Human Histone H3.1 protein (37-48aa)                   |
| Conjugation                                        | Non-conjugated                                                                          |
| Preparation and Storage                            | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.             |

### IMAGES



#### IHC (Immunohistochemistry)

IHC image of diluted at 1:20 and staining in paraffin-embedded human kidney tissue 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.



#### IHC (Immunohistochemistry)

IHC image of diluted at 1:20 and staining in paraffin-embedded human liver 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

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HIST1H3A antibody | Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. |
| 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, H3a                                                                         |
| NCBI Official Symbol             | HIST1H3A                                                                                       |
| NCBI Official Synonym Symbols    | H3/A; H3FA                                                                                     |
| NCBI Protein Information         | histone H3.1; histone H3/a; histone 1, H3a; H3 histone family, member A                        |
| UniProt Protein Name             | Histone H3.1                                                                                   |
| UniProt Gene Name                | HIST1H3A                                                                                       |
| UniProt Synonym Gene Names       | H3FA                                                                                           |
| UniProt Entry Name               | H31_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hist1h3a-antibody-immunohistochemistry-elisa/244082>