

## Rabbit anti-Human Histone H3.3 Polyclonal Antibody | anti-H3.3 antibody

Histone H3.3 Polyclonal Antibody

|                               |                       |                            |                                                           |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA308881</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|

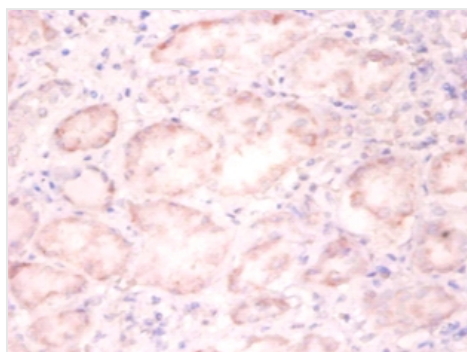
### PRODUCT SYNONYMS

Histone H3.3; Polyclonal Antibody; Histone H3.3 Polyclonal Antibody; H3F3B; H3.3B; H3F3A; H3.3A; H3F3; PP781; anti-H3.3 antibody

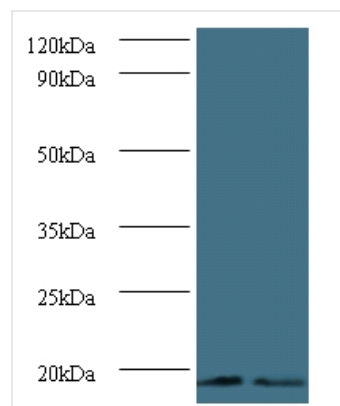
### PRODUCT SPECIFICATIONS

|                                                |                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                           |
| Reactivity                                     | Human                                                                            |
| Clonality                                      | Polyclonal                                                                       |
| Specificity                                    | The antibody detects endogenous level of total Histone H3.3 polyclonal antibody. |
| Purity/Purification                            | Caprylic Acid Ammonium Sulfate Precipitation purified                            |
| Form/Format                                    | Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4    |
| Concentration                                  | 1.0 mg/ml (varies by lot)                                                        |
| Sequence Length                                | 136                                                                              |
| Applicable Applications for anti-H3.3 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                    |
| Immunogen                                      | Recombinant Human Histone H3.3 protein                                           |
| Immunogen Type                                 | Protein                                                                          |
| Preparation and Storage                        | Store at -20 degree C                                                            |

### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human kidney using at dilution of 1:100.


**WB (Western Blot)**

All lanes: Histone H3.3 antibody at 2ug/ml

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-H3.3 antibody | Variant histone H3 which replaces conventional H3 in a wide range of nucleosomes in active genes.Constitutes the predominant form of histone H3 in non-dividing cells and is incorporated into chromatin independently of DNA synthesis. Deposited at sites of nucleosomal displacement throughout transcribed genes, suggesting that it represents an epigenetic imprint of transcriptionally active chromatin. 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-H3.3 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 4504279                                                |
| NCBI GeneID                      | 3020                                                   |
| NCBI Accession #                 | NP_002098.1                                            |
| NCBI GenBank Nucleotide #        | NM_002107.4                                            |
| UniProt Accession #              | P84243; P06351; P33155; Q5VV55; Q5VV56; Q66I33; Q9V3W4 |
| Molecular Weight                 | 15,328 Da                                              |
| NCBI Official Full Name          | histone H3.3                                           |
| NCBI Official Synonym Full Names | H3 histone, family 3A                                  |
| NCBI Official Symbol             | H3F3A                                                  |
| NCBI Official Synonym Symbols    | H3F3; H3.3A                                            |
| NCBI Protein Information         | histone H3.3                                           |
| UniProt Protein Name             | Histone H3.3                                           |
| UniProt Gene Name                | H3F3A                                                  |
| UniProt Synonym Gene Names       | H3.3A; H3F3                                            |
| UniProt Entry Name               | H33_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/histone-h33-antibody-immunohistochemistry-western-blot-elisa/308881>