

# Anti-Phospho-Histone H3.3 (S31) Rabbit Monoclonal Antibody

Catalog # ABO16278

## Product Information

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, FC                                                                                                                                              |
| <b>Primary Accession</b> | <a href="#">P84243</a>                                                                                                                                            |
| <b>Host</b>              | Rabbit                                                                                                                                                            |
| <b>Isotype</b>           | IgG                                                                                                                                                               |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                                                 |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                        |
| <b>Format</b>            | Liquid                                                                                                                                                            |
| <b>Description</b>       | Anti-Phospho-Histone H3.3 (S31) Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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| <b>Gene ID</b>             | 3020;3021                                                                                                                                  |
| <b>Other Names</b>         | Histone H3.3, H3-3A ( <a href="#">HGNC:4764</a> ), H3.3A, H3F3, H3F3A                                                                      |
| <b>Calculated MW</b>       | 15328                                                                                                                                      |
| <b>Application Details</b> | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>FC 1:50                                                                          |
| <b>Source</b>              | Eukaryota                                                                                                                                  |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>         | Clone: 28H13                                                                                                                               |
| <b>Immunogen</b>           | A synthesized peptide derived from human Phospho-Histone H3.3 (S31)                                                                        |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>             | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

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|-------------|-------------------------------------|
| <b>Name</b> | H3-3A ( <a href="#">HGNC:4764</a> ) |
|-------------|-------------------------------------|

**Synonyms**

H3.3A, H3F3, H3F3A

**Function**

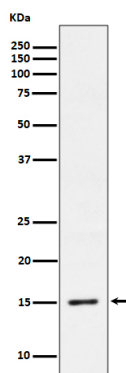
Variant histone H3 which replaces conventional H3 in a wide range of nucleosomes in active genes. Constitutes the predominant form of histone H3 in non-dividing cells and is incorporated into chromatin independently of DNA synthesis. Deposited at sites of nucleosomal displacement throughout transcribed 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.

**Cellular Location**

Nucleus. Chromosome

**Images**

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Western blot analysis of Phospho-Histone H3.3 (S31) expression in HeLa cell treated with Calyculin A lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.