

# Anti-Histone H3 (acetyl K14) HIST1H3A Rabbit Monoclonal Antibody

Catalog # ABO14299

## Product Information

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, IP                                                                                                                                 |
| <b>Primary Accession</b> | <a href="#">P68431</a>                                                                                                                               |
| <b>Host</b>              | Rabbit                                                                                                                                               |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                                           |
| <b>Reactivity</b>        | Rat, Human                                                                                                                                           |
| <b>Clonality</b>         | Monoclonal                                                                                                                                           |
| <b>Format</b>            | Liquid                                                                                                                                               |
| <b>Description</b>       | Anti-Histone H3 (acetyl K14) HIST1H3A Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Rat. |

## Additional Information

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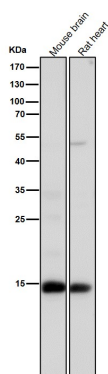
|                                 |                                                                                                                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                  | 8350;8351;8352;8353;8354;8355;8356;8357;8358;8968                                                                                                                                                            |
| <b>Other Names</b>              | 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, H3C1 ( <a href="#">HGNC:4766</a> ), H3FA, HIST1H3A |
| <b>Calculated MW</b>            | 15404                                                                                                                                                                                                        |
| <b>Application Details</b>      | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50                                                                                                                                            |
| <b>Subcellular Localization</b> | Nucleus. Chromosome.                                                                                                                                                                                         |
| <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: BID-8                                                                                                                                                                                                 |
| <b>Immunogen</b>                | A synthesized peptide derived from human Histone H3 (acetyl K14)                                                                                                                                             |
| <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

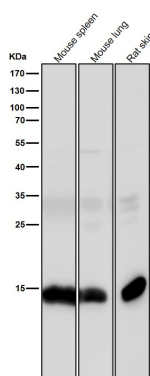
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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | H3C1 ( <a href="#">HGNC:4766</a> )                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>          | H3FA, HIST1H3A                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Function</b>          | 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. |
| <b>Cellular Location</b> | Nucleus. Chromosome.                                                                                                                                                                                                                                                                                                                                                                                                                                   |

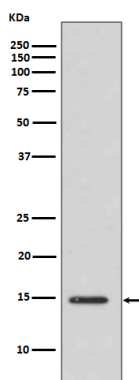
## Images



All lanes use the Antibody at 1:1k dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1k dilution for 1 hour at room temperature.



Western blot analysis of Acetyl-Histone H3 (K14) expression in C6 cell lysate.

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