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# Histone H3 Rabbit mAb

Catalog # AP75547

## Product Information

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|---|---|
| **Application** | WB, IHC-P, FC |
| **Primary Accession** | P68431 |
| **Reactivity** | Rat, Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Isotype** | IgG |
| **Conjugate** | Unconjugated |
| **Purification** | Affinity Purified |
| **Calculated MW** | 15404 |

## Additional Information

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|---|---|
| **Gene ID** | 8350;8351;8352;8353;8354;8355;8356;8357;8358;8968 |
| **Other Names** | H3C1 |
| **Dilution** | WB~~1:2000-1:10000 IHC-P~~N/A FC~~1:50-1:100 |
| **Format** | 1xPBS(pH 7.4), 150mM NaCl, 50% Glycerol, 0.02% Sodium azide and 0.05% BSA |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Protein Information

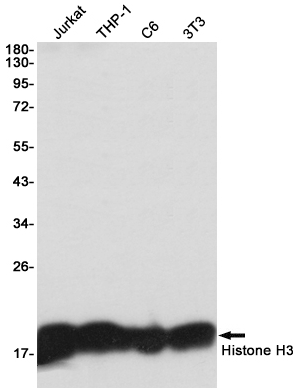
| | |
|---|---|
| **Name** | H3C1 ( HGNC:4766) |
| **Synonyms** | H3FA, HIST1H3A |
| **Function** | Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role 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. |
| **Cellular Location** | Nucleus. Chromosome. |

## Background

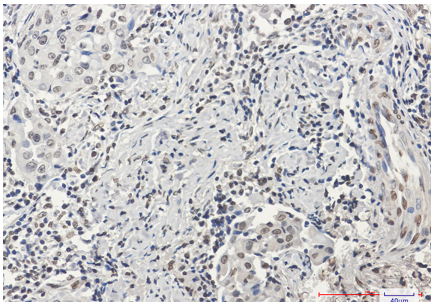
H3 Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA

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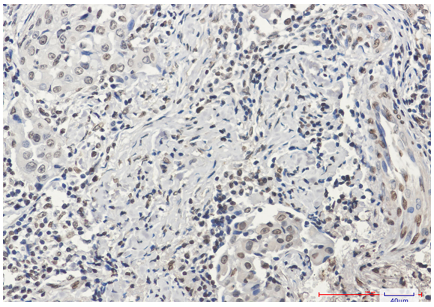
## Images




Western blot analysis of Histone H3 in Jurkat, THP-1, C6, 3T3 lysates using Histone H3 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Histone H3 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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