10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Histone H3 (mutated K27 Met) Antibody

Rabbit mAb
Catalog # AP92650

## Product Information

| | |
|---|---|
| **Application** | WB, IF, ICC, IP |
| **Primary Accession** | P68431 |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Other Names** | Histone H3.1, Histone H3, HIST1H3A; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 15404 |

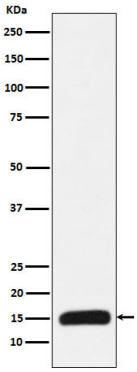
## Additional Information

| | |
|---|---|
| **Dilution** | WB 1:500~1:2000 ICC/IF 1:50~1:200 IP 1:50 CHIP 1:50 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from Histone H3 (mutated K27 Met) |
| **Description** | Belongs to the histone H3 family. 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. |
| **Storage Condition and Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

## 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. |

## Images




Western blot analysis of Histone H3 (mutated K27 Met) expression in recombinant protein lysate.

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