

A8162

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# Histone H3 Rabbit pAb

Catalog No.: A8162

## Basic Information

### Observed MW

**Calculated MW**  
15kDa

**Category**  
Mouse Monoclonal Antibody

**Applications**  
IF/ICC,ELISA

**Cross-Reactivity**  
Human,Mouse,Rat,Other (Wide Range Predicted)

## Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

## Recommended Dilutions

IF/ICC 1:50 - 1:200

## Immunogen Information

<b>Gene ID</b> 8290/8350	<b>Swiss Prot</b> Q16695/P68431
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**Immunogen**  
Recombinant fusion protein containing a sequence corresponding to amino acids 1-136 of human HIST1H3A (NP\_003520.1).

**Synonyms**  
H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A; Histone H3

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

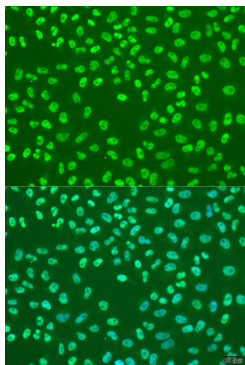
## Product Information

<b>Source</b> Rabbit	<b>Isotype</b> IgG	<b>Purification</b> Affinity purification
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**Storage**  
Store at -20°C. Avoid freeze / thaw cycles.  
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data

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Immunofluorescence analysis of U2OS cells using Histone H3 Rabbit pAb (A8162) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.