

**Product Name: Phospho-Histone H3 (Ser10) Rabbit  
Polyclonal Antibody**  
**Catalog #: APRab03869**

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## Summary

<b>Production Name</b>	Phospho-Histone H3 (Ser10) Rabbit Polyclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB, ICC/IF
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	H3C1
<b>Alternative Names</b>	H3 histone; family 3A; H3 histone; family 3B (H3.3B); H3.3A; H3.3B; H33; H3F3; H3F3A; H3F3B; Histone H3.3
<b>Gene ID</b>	8350
<b>SwissProt ID</b>	P68431

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000 IF: 1/50-1/200
<b>Molecular Weight</b>	Calculated MW: 15 kDa; Observed MW: 15 kDa

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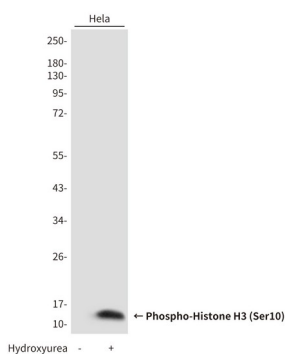
## Background

H3 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.

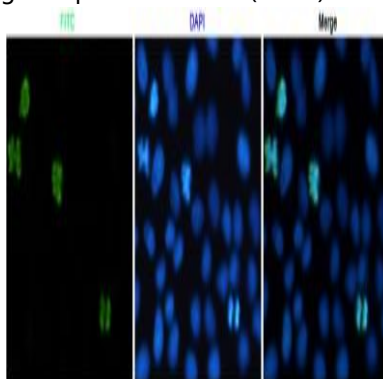
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of Phospho-Histone H3 (Ser10) in HeLa lysates, untreated or 1mM hydroxyurea treated for 5 hours, using Phospho-Histone H3(Ser10) antibody.



Immunofluorescence analysis of Phospho-Histone H3 (Ser10) in HeLa cells labeled using Phospho-Histone H3(Ser10) antibody, and DAPI (blue).

## Note

For research use only.