

**Product Name: MonoMethyl-Histone H3 (Lys18) Rabbit Polyclonal Antibody**  
**Catalog #: APRab00690**

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## Summary

|                        |  |
|------------------------|--|
| <b>Production Name</b> | MonoMethyl-Histone H3 (Lys18) Rabbit Polyclonal Antibody |
| <b>Description</b>     | Primary antibody   |
| <b>Host</b>            | Rabbit   |
| <b>Application</b>     | WB,IHC-P,ICC/IF  |
| <b>Reactivity</b>      | Human,Mouse,Rat  |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Methylated   |
| <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>       | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| <b>Purification</b> | Affinity Chromatography  |

## Immunogen

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | H3C1  |
| <b>Alternative Names</b> | H3K18me; H3/j; H3C1; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FJ; H3C10; H3C11; HIST1H3J |
| <b>Gene ID</b>           | 8350  |
| <b>SwissProt ID</b>      | P68431  |

## Application

|                         |   |
|-------------------------|---|
| <b>Dilution Ratio</b>   | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 |
| <b>Molecular Weight</b> | Calculated MW: 15 kDa; Observed MW: 15 kDa      |

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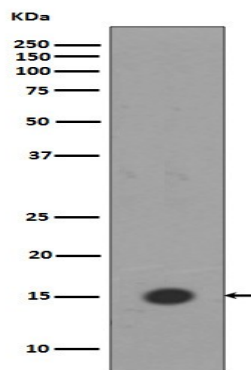
## Background

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.

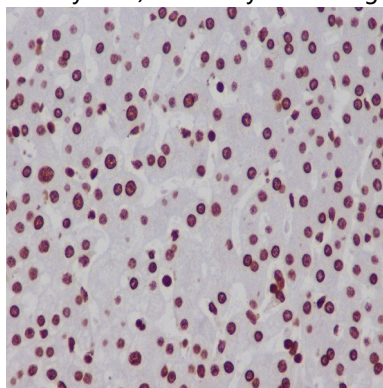
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of Histone H3 (mono methyl K18) in HeLa lysates using MonoMethyl-Histone H3 (Lys18) antibody.



Immunohistochemistry analysis of paraffin-embedded Human liver using Histone H3 (mono methyl K18) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Note

For research use only.