

## Histone H3 Monoclonal Antibody

catalog number: **AN200152P**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

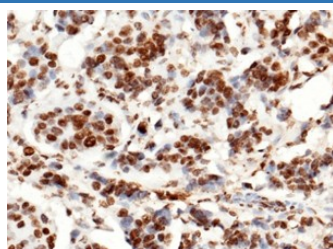
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	A synthetic peptide corresponding to the C-terminus of the human Histone H3.
<b>Host</b>	Mouse
<b>Isotype</b>	IgG2b
<b>Clone</b>	1A6
<b>Purification</b>	Protein A
<b>Buffer</b>	0.2 µm filtered solution in PBS

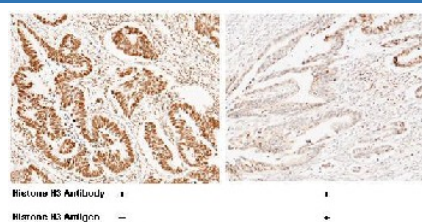
### Applications Recommended Dilution

<b>WB</b>	1:1000-1:100000
<b>IHC-P</b>	1:50-1:1000

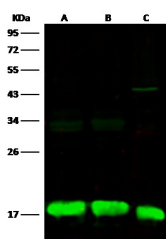
### Data



Immunohistochemistry of paraffin-embedded human histone H3 in human mammary gland with mouse monoclonal antibody.

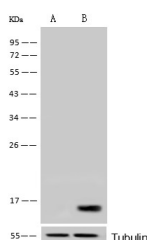


Immunohistochemistry of paraffin-embedded human histone H3 in human colon carcinoma with mouse monoclonal antibody. The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (polypeptide).



Western Blot with Histone H3 Monoclonal Antibody at dilution of 1:2000 dilution. Lane A: HeLa Whole Cell Lysate, Lane B: Jurkat Whole Cell Lysate, Lane C: 293 Whole Cell Lysate, Lysates/proteins at 30 µg per Lane.

**Observed-MW:18 kDa**  
**Calculated-MW:18 kDa**



Western Blot with Histone H3 Monoclonal Antibody at dilution of 1:10000, 1:20000, 1:50000 dilution, Lysates/proteins at 30 µg per Lane.

**Observed-MW:18 kDa**  
**Calculated-MW:18 kDa**

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
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Fax: 1-832-243-6017

Rev. V1.0

Western Blot with Histone H3 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Histone H3 knockout Hela Whole Cell Lysate, Lane B: Hela Whole Cell Lysate, Lysates/proteins at 10 µg per lane.

**Observed-MW:18 kDa**

**Calculated-MW:18 kDa**

## Preparation & Storage

### Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

### Shipping

Ice bag

## Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fibre is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures.

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