# Histone H3 Monoclonal Antibody

**catalog number:** **AN200152P**

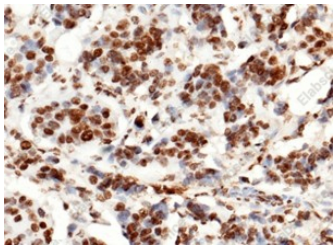
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

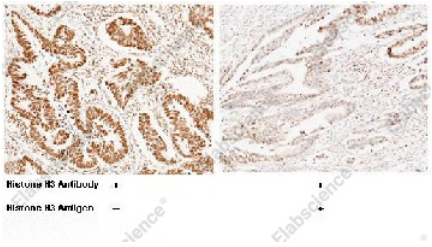
| | |
|---|---|
| **Reactivity** | Human |
| **Immunogen** | A synthetic peptide corresponding to the C-terminus of the human Histone H3. |
| **Host** | Mouse |
| **Isotype** | Mouse IgG2b |
| **Clone** | A1004 |
| **Purification** | Protein A |
| **Buffer** | 0.2 μm filtered solution in PBS |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:1000-1:100000 |
| **IHC-P** | 1:50-1:1000 |

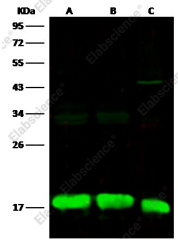
## Data



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



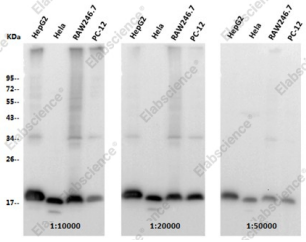
Immunohistochemistry of paraffin-embedded human histone H3 in human colon carcinoma with mouse monoclonal antibody. The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (polypeptide).




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**

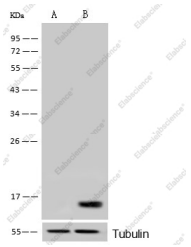



Western Blot with Histone H3 Monoclonal Antibody at dilution of 1:10000, 1:20000, 1:50000 dilution, Lysates/proteins at 30 μg per Lane.

**Observed-MW:18 kDa**

**Calculated-MW:18 kDa**


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Western Blot with Histone H3 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Histone H3 konckout 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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