

Histone H3 Monoclonal Antibody

Catalog Number:E-AB-22003



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

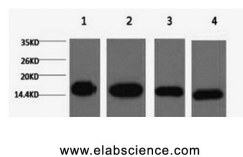
Description

| | |
|---------------------|--|
| Reactivity | Human,Mouse,Rat,Yeast |
| Immunogen | Recombinant Protein |
| Host | Mouse |
| Isotype | IgG |
| Clone | Clone:5B1 |
| Purification | Protein A purification |
| Conjugation | Unconjugated |
| Formulation | PBS with 0.02% sodium azide and 50% glycerol pH 7.4. |

Applications Recommended Dilution

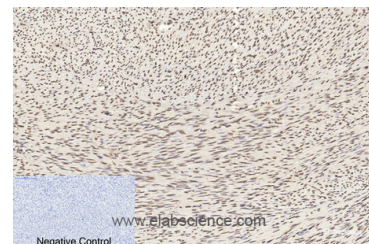
| | |
|------------|--------------|
| WB | 1:500-1:2000 |
| IHC | 1:50-300 |
| IF | 1:100-500 |
| IP | 1:100-1:300 |

Data

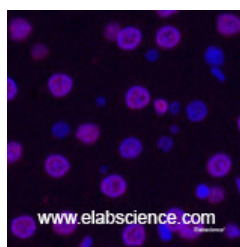


Western Blot analysis of 1) HeLa, 2) Raw264.7, 3) Mouse brain, 4) Rat brain using Histone H3 Monoclonal Antibody at dilution of 1:5000.

Observed Mw:15kDa
Calculated Mw:15kDa



Immunohistochemistry of paraffin-embedded Human uterus tissue using Histone H3 Monoclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of Rat liver tissue using Histone H3 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

For Research Use Only

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Background

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. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

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