

## Histone H3 Mouse monoclonal antibody

Catalog: MB9021

Host: Mouse

Reactivity: Human, Mouse, Rat

### 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. Covalent modifications of the canonical core histones, including acetylation, phosphorylation, methylation, and monoubiquitination are used to mark nucleosomes to create chromatin domains with a range of functions.

### Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 17 kDa

### Swiss-Prot:

P68431

### Purification&Purity:

Protein A affinity purified

### Applications:

WB: 1:5000

IHC: 1:100-1:200

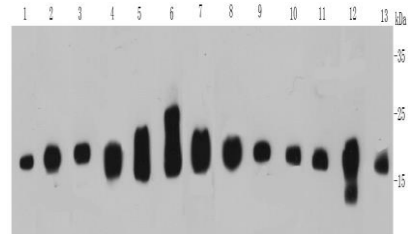
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

This antibody detects endogenous levels of Histone H3 and does not cross-react with related proteins.

### DATA:



Western blot (WB) analysis of Histone H3 Mouse mAb at 1:5000 dilution

Lane1:Hela whole cell lysate

Lane2:A431 whole cell lysate

Lane3:NIH/3T3 whole cell lysate

Lane4:Jurkat whole cell lysate

Lane5:293 whole cell lysate

Lane6:L929 whole cell lysate

Lane7:F9 whole cell lysate

Lane8:HepG2 whole cell lysate

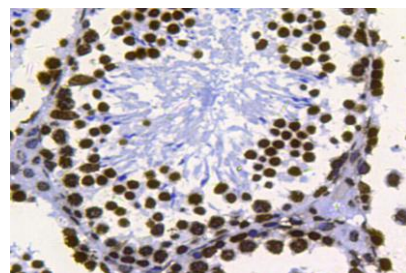
Lane9:MCF7 whole cell lysate

Lane10:The kidney tissue lysate of Mouse

Lane11:The brain tissue lysate of Mouse

Lane12:The liver tissue lysate of Mouse

Lane13:The liver tissue lysate of Rat



Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Histone H3 antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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