

Histone H3 Mouse Monoclonal Antibody(8F7)

Catalog No: RTA11

Basic Information

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|--------------------------|---|
| Host species | Mouse |
| Applications | WB |
| Species Cross-Reactivity | H, R, M |
| Specificity | The Histone H3 antibody can detects endogenous Histone H3 protein. |
| Recommended dilutions | WB: 1:1,000 -2,000 Optimal dilutions should be determined by the end user. |

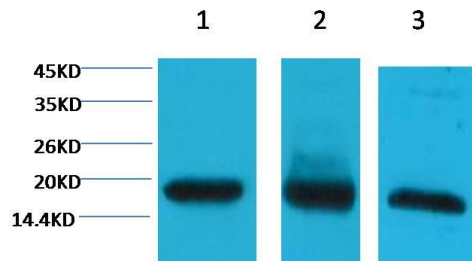
Applications

| | |
|---------------|--|
| Formulation | PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Concentration | 1 mg/ml |
| Clonality | Monoclonal |

Background

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|-------------------------|---|
| Alternative Names | H3 histone antibody, HIST1H3A antibody, Histone cluster 1, H3a antibody |
| Observed band | 15 |
| Human Gene ID | 8290 |
| Human Swiss-Prot Number | P68431 |
| Background | Histone H3 is one of the five main histone proteins involved in the structure of chromatin in eukaryotic cells. 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. |

Selected Validation Data



Western blot analysis of 1) HeLa, 2) Raw 264.7, 3) Rat Testis with Histone H3 Mouse Monoclonal Antibody diluted at 1:2,000.