

## Anti-MonoMethyl-Histone H3 (Lys79) (9E3) Mouse Monoclonal Antibody

### Introduction

H3 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.

### Product parameters

|                    |                                                                                 |
|--------------------|---------------------------------------------------------------------------------|
| Alternative Names  | H3K79me; H3 histone; HIST1H3A; Histone cluster 1; H3a                           |
| Gene ID            | 8350                                                                            |
| Gene Name          | H3C1                                                                            |
| SwissProt ID       | P68431                                                                          |
| Host               | Mouse                                                                           |
| Reactivity         | Human, Mouse, Rat                                                               |
| Molecular Weight   | Calculated MW: 15 kDa; Observed MW: 15 kDa                                      |
| Conjugation        | Unconjugated                                                                    |
| Ex                 | -                                                                               |
| Em                 | -                                                                               |
| Modification       | Methylated                                                                      |
| Clonality          | IgG1                                                                            |
| Isotype            | Monoclonal Antibody                                                             |
| Clonality No.      | AP-17A9B11                                                                      |
| Form               | Liquid                                                                          |
| Concentration      | See label                                                                       |
| Carrier            | Carrier Not Free                                                                |
| Immunogen          | Synthetic Peptide of Histone H3 (Mono Methyl Lys79)                             |
| Purification       | Affinity Purified                                                               |
| Buffer System      | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. |
| Application        | WB                                                                              |
| Dilution Ratio     | WB: 1/500-1/1000                                                                |
| Research Field     | Epigenetics and Nuclear Signaling                                               |
| Product Categories | Primary antibody                                                                |
| Shipping           | Blue ice                                                                        |

|                 |                                  |
|-----------------|----------------------------------|
| Storage         | -20°C                            |
| Expiration Date | 12 months                        |
| Note            | Please avoid freeze-thaw cycles. |

## Protocol

Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.



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