

# Histone H3(mono methyl K79) Mouse Monoclonal Antibody(4C9) Catalog No.: RA10381

## Basic Information

### Information

|                            |                                                                        |
|----------------------------|------------------------------------------------------------------------|
| Reactivity                 | H,M,R                                                                  |
| Immunogen                  | Synthetic Peptide                                                      |
| Host                       | Mouse                                                                  |
| Isotype                    | IgG1                                                                   |
| Storage Buffer & Condition | 1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol. |
| Observed MW                | 15KD                                                                   |

### Applications

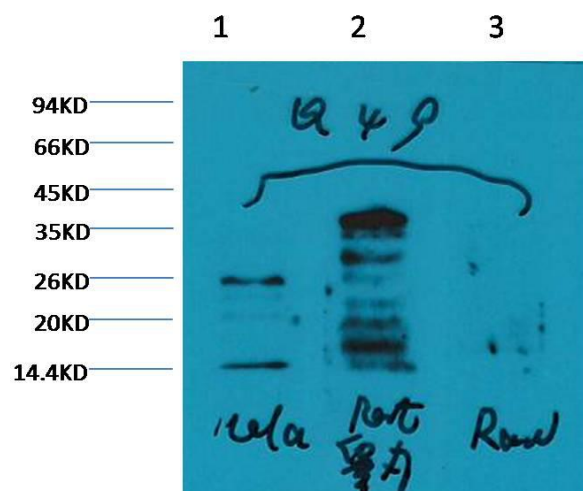
### Recommended Dilution

|     |             |
|-----|-------------|
| WB  | 1:500-2,000 |
| IHC | 1:100-200   |

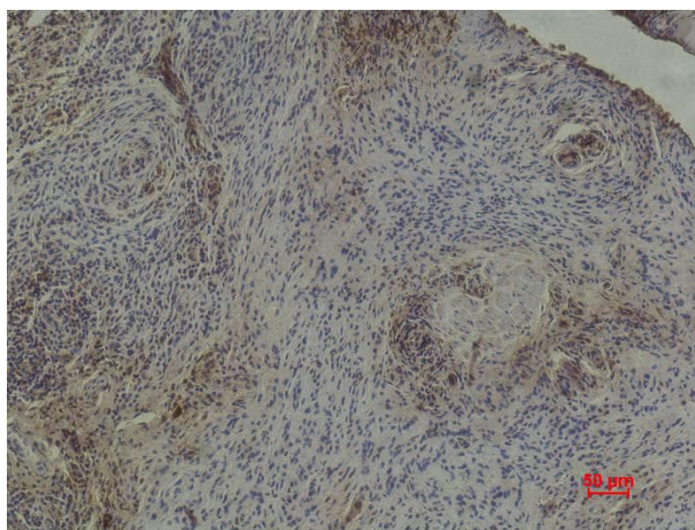
## Preparation & Storage

|          |                                                                |
|----------|----------------------------------------------------------------|
| Storage  | Store at -20°C. Stable for one year from the date of shipment. |
| Shipping | Bule Ice                                                       |

## Experimental Data



Western blot analysis of 1)HeLa, 2)Rat Testis tissue, 3)Raw264.7 with Histone H3 (mono methyl K79) Mouse MAb diluted at 1:2000.



Immunohistochemical analysis of paraffin-embedded Human Skin using Histone H3(mono methyl K79) Mouse mAb diluted at 1:500.

## 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.