

## Acetyl-Histone H3 (Lys9) Polyclonal Antibody

catalog number: E-AB-20203

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

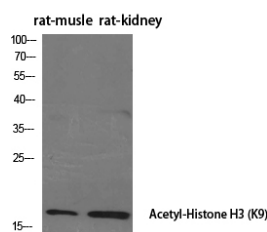
### Description

|                     |   |
|---------------------|---|
| <b>Reactivity</b>   | Human;Mouse;Rat   |
| <b>Immunogen</b>    | Synthesized peptide derived from human Histone H3 around the acetylation site of K9                         |
| <b>Host</b>         | Rabbit  |
| <b>Isotype</b>      | IgG   |
| <b>Purification</b> | Affinity purification   |
| <b>Buffer</b>       | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol. |

### Applications

| Applications | Recommended Dilution |
|--------------|----------------------|
| <b>WB</b>    | 1:500-2000           |
| <b>IHC</b>   | 1:50-300             |
| <b>IF</b>    | 1:50-300             |

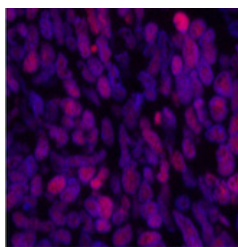
### Data



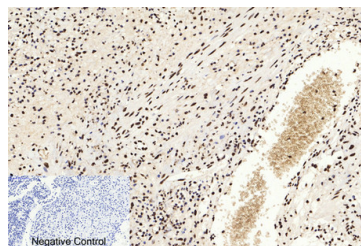
Western Blot analysis of Rat muscle, kidney using Acetyl-Histone H3 (Lys9) Polyclonal Antibody at dilution of 1:2000.

**Observed-MW:17 kDa**

**Calculated-MW:15 kDa**



Immunofluorescence analysis of Human lung cancer tissue using Acetyl-Histone H3 (Lys9) Polyclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded Human appendix tissue using Acetyl-Histone H3 (Lys9) Polyclonal Antibody at dilution of 1:200.

### Preparation & Storage

|                 |  |
|-----------------|--|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.  |
| <b>Shipping</b> | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

### Background

### For Research Use Only

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.