

## Histone H3 Polyclonal Antibody

|                     |   |                   |        |
|---------------------|---|-------------------|--------|
| <b>Catalog No.</b>  | E-AB-70330                                  | <b>Reactivity</b> | H,M,R  |
| <b>Storage</b>      | Store at -20°C. Avoid freeze / thaw cycles. | <b>Host</b>       | Rabbit |
| <b>Applications</b> | WB  | <b>Isotype</b>    | IgG    |

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

### Images



Western Blot analysis of various samples using Histone H3 Polyclonal Antibody at dilution of 1:500.

### Immunogen Information

|                  |   |
|------------------|---|
| <b>Immunogen</b> | Recombinant protein corresponding to Mouse Histone H3   |
| <b>Swissprot</b> | P68431,P68433,Q6LED0  |
| <b>Synonyms</b>  | H3/n, H3/o, H3F2, H3FM, HIST2H3A,HIST2H3C, HIST2H3D, histone cluster 2, H3a, Histone H3, Histone H3.2, Histone H3/m, Histone H3/o |

### Product Information

|                      |  |
|----------------------|--|
| <b>Calculated MW</b> | 15kDa  |
| <b>Observed MW</b>   | 15-17kDa   |
| <b>Buffer</b>        | PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4 |
| <b>Purify</b>        | Affinity purification  |
| <b>Dilution</b>      | WB 1:300-1:1000  |

### Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.