

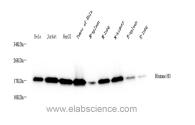
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# **Histone H3 Polyclonal Antibody**

Catalog No.E-AB-70330ReactivityH,M,RStorageStore at -20°C. Avoid freeze / thaw cycles.HostRabbitApplicationsWBIsotypeIgG

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**

Immunogen Recombinant protein corresponding to Mouse Histone

H3

**Swissprot** P68431,P68433,Q6LED0

Synonyms 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**

Calculated MW 15kDa Observed MW 15-17kDa

**Buffer** PBS with 0.02% sodium azide, 1% protective protein

and 50% glycerol, pH7.4

Purify Affinity purification
Dilution 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.