

A Reliable Research Partner in Life Science and Medicine

### **Recombinant Histone H4 Monoclonal Antibody**

catalog number: AN301109L

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

#### **Description**

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human Histone H4 protein

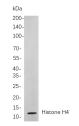
HostRabbitIsotype $IgG,\kappa$ CloneB864PurificationProtein A

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

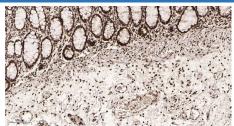
#### Applications Recommended Dilution

IHC 1:200-1000 WB 1:1000-5000

#### Data



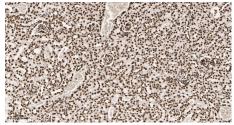
Western Blot with Recombinant Histone H4 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Hela cells.



Immunohistochemistry of paraffin-embedded human colon tissue using Recombinant Histone H4 Monoclonal Antibody at dilution of 1:200.

Rev. V1.1

## Observed-MW:11 kDa Calculated-MW:11 kDa



Immunohistochemistry of paraffin-embedded mouse kidney tissue using Recombinant Histone H4 Monoclonal Antibody at dilution of 1:200.

#### **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

#### **Background**

#### For Research Use Only

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Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the histone microcluster on chromosome 6p21.33.

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