

Histone H3 Polyclonal Antibody

Catalog Number:E-AB-40488



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

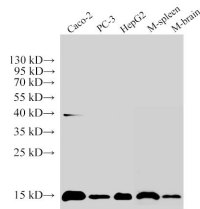
Description

| | |
|---------------------|---|
| Reactivity | Human,Mouse,Rat |
| Immunogen | Synthetic peptide of Human Histone H3.1 |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Antigen Affinity Purification |
| Conjugation | Unconjugated |
| Formulation | PBS with 0.05% Proclin300, 50% glycerol, pH7.3. |

Applications Recommended Dilution

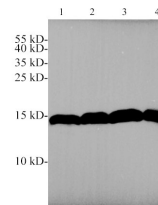
| | |
|------------|-----------------|
| WB | 1:10000-1:50000 |
| IHC | 1:200-1:500 |

Data

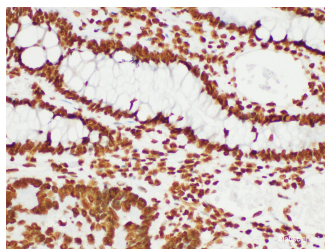


Western Blot analysis of 1)Caco-2, 2)PC-3, 3)HepG2, 4)Mouse Spleen, 5)Mouse brain using Histone H3 Polyclonal Antibody at dilution of 1:250000

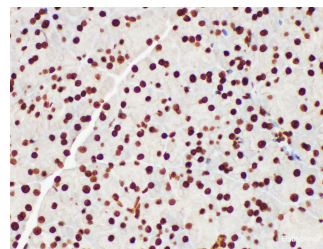
Observed Mw:15 kDa
Calculated Mw:15 kDa



Western blotting with anti-Histone H3 polyclonal antibody at dilution of 1:1000. Lane 1:C6 cell lysate,Lane 2:NIH/3T3 cell lysate,lane 3:Jurkat cell lysate,lane 4:HeLa cell lysate.



Immunohistochemistry of paraffin-embedded Human colon cancer using Histone H3 Polyclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded Mouse pancreas using Histone H3 Polyclonal Antibody at dilution of 1:200.

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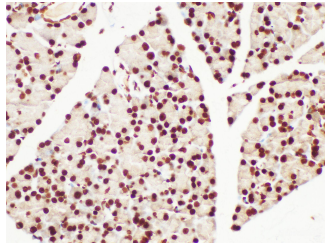
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Immunohistochemistry of paraffin-embedded Rat pancreas using Histone H3 Polyclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

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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