

## H3-3B RABBIT PAB

**Cat.#:** S218959

**Product Name:** Anti-H3-3B Rabbit Polyclonal Antibody

**Synonyms:** H3-3A; H3.3B; H3F3B; BRYLIB2

**UNIPROT ID:** P84243 (Gene Accession - BC001124 )

**Background:** 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 contains introns and its mRNA is polyadenylated, unlike most histone genes. The protein encoded by this gene is a replication-independent histone that is a member of the histone H3 family. Pseudogenes of this gene have been identified on the X chromosome, and on chromosomes 5, 13 and 17.

**Immunogen:** Fusion protein of human H3-3B

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-100;WB: 1000-5000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

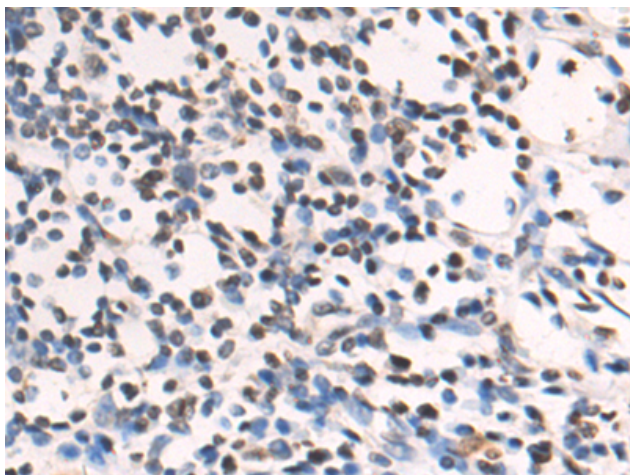
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

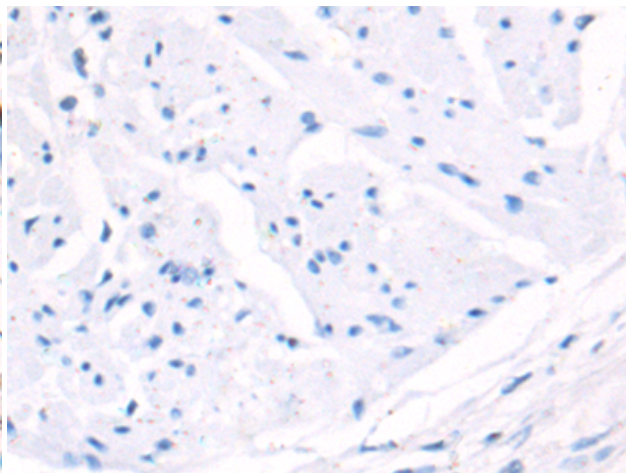
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Epigenetics and Nuclear Signaling

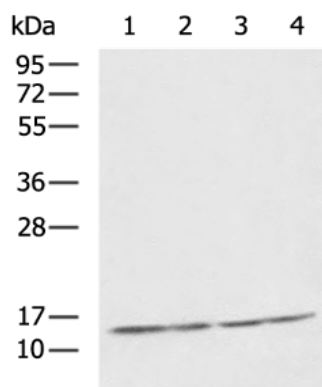
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human prostate cancer tissue using 218959(H3-3B Antibody) at a dilution of 1/80(Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human prostate cancer tissue is first treated with the fusion protein and then with 218959(Anti-H3-3B Antibody) at dilution 1/80.



Gel: 12%SDS-PAGE, Lysate: 40 µg;  
Lane 1-4: A549, LO2, Raji, 293T cell lysates;  
Primary antibody: 218959(H3-3B Antibody) at dilution 1/1200;  
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
Exposure time: 15 seconds