

## KDM3B RABBIT PAB

**Cat.#:** S217550

**Product Name:** Anti-KDM3B Rabbit Polyclonal Antibody

**Synonyms:** 5qNCA; NET22; C5orf7; JMJD1B

**UNIPROT ID:** Q7LBC6 (Gene Accession - BC001202 )

**Background:** JMJD1B (jumonji domain containing 1B), also known as KDM3B, 5qNCA (5q Nuclear Co-Activator) or C5orf7, is a member of the JHDM2 histone demethylase family of proteins. Expressed in a wide variety of tissues, JMJD1B localizes to the nucleus and contains one JMJC domain and a C-terminal zinc finger motif. JMJD1B functions as a histone demethylase and, using iron as a cofactor, demethylates lysine-9 of Histone H3. This suggests that JMJD1B plays a central role in the histone code. The gene encoding human JMJD1B is located within the 5q region of the genome that is often deleted in myeloid leukemias and myelodysplasias. This implies that JMJD1B may function as a tumor suppressor of myeloid leukemia. Ectopic expression of JMJD1B exhibits growth suppressive activities, further supporting a role for JMJD1B in tumor suppression.

**Immunogen:** Fusion protein of human KDM3B

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 50-200; ELISA: 2000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

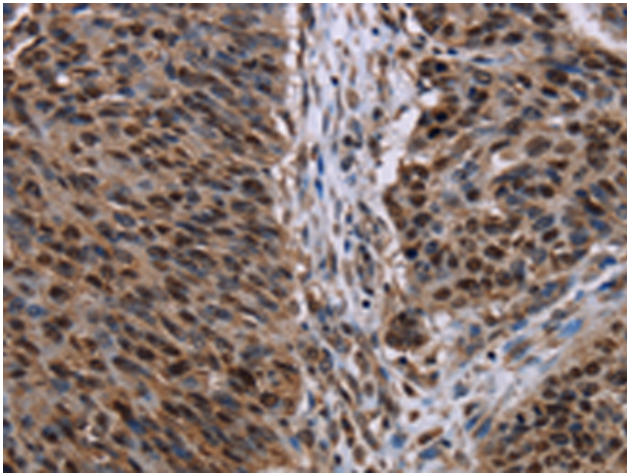
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

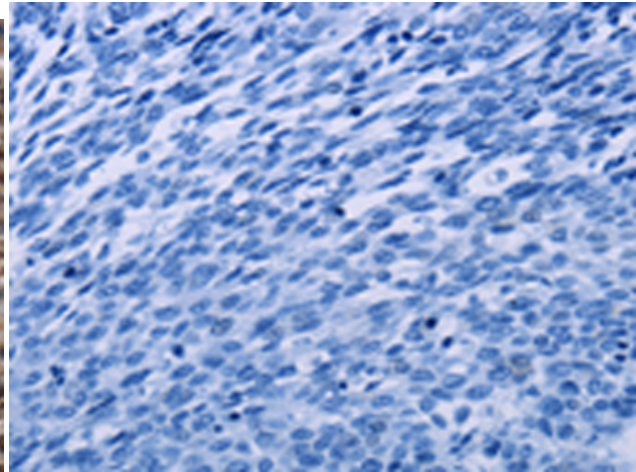
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Epigenetics and Nuclear Signaling, Cancer

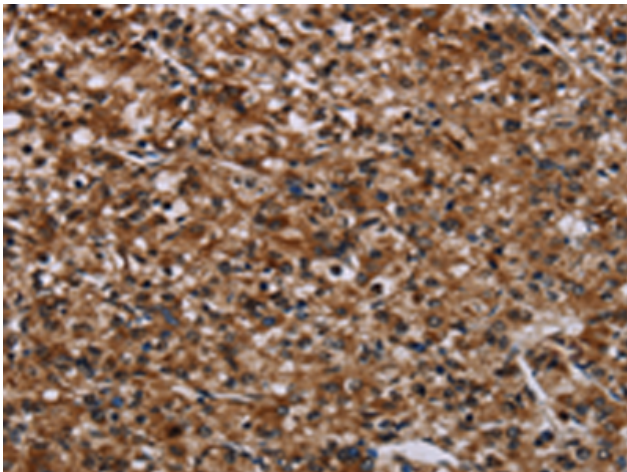
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



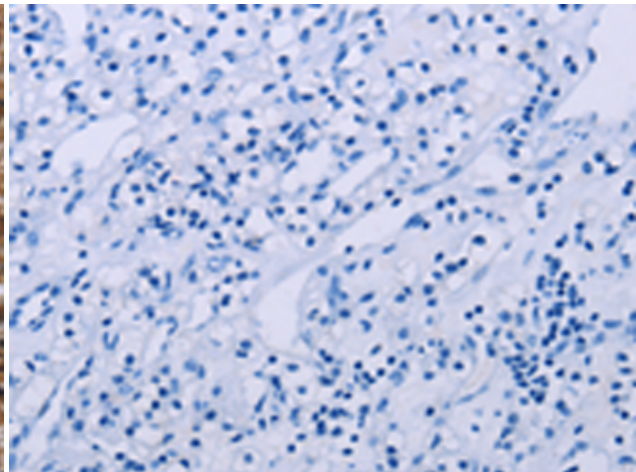
Immunohistochemistry analysis of paraffin embedded Human lung cancer tissue using 217550(KDM3B Antibody) at a dilution of 1/50(Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with the fusion protein and then with 217550(Anti-KDM3B Antibody) at dilution 1/50.



The image on the left is immunohistochemistry of paraffin-embedded Human prostate cancer tissue using 217550(Anti-KDM3B Antibody) at a dilution of 1/50.



In comparison with the IHC on the left, the same paraffin-embedded Human prostate cancer tissue is first treated with fusion protein and then with D222561(Anti-KDM3B Antibody) at dilution 1/50.