

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **KDM4B RABBIT MAB**

Cat.#: N262445

Product Name: Anti-KDM4B Rabbit Monoclonal Antibody

Synonyms: KDM4B; JHDM3B; JMJD2B; KIAA0876; Lysine-specific

demethylase 4B; JmjC domain-containing histone demethylation protein

3B; Jumonji domain-containing protein 2B

**UNIPROT ID:** 094953

**Background:** Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Only able to demethylate trimethylated H3 'Lys-9', with a weaker activity than KDM4A, KDM4C and KDM4D. Demethylation of Lys residue generates formaldehyde and succinate.

Immunogen: A synthetic peptide of human KDM4B/JMJD2B

**Applications:** WB,IHC-F,IHC-P,ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200

Host Species: Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R08-9G9

MW: Calculated MW: 122 kDa; Observed MW: 150 kDa

**Isotype:** IgG

Purification: Affinity Purified Species Reactivity: Human Conjugation: Unconjugated Modification: Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

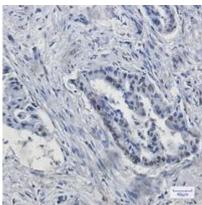
Research Areas: Epigenetics and Nuclear Signaling

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

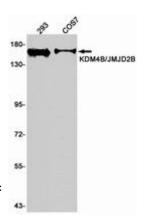


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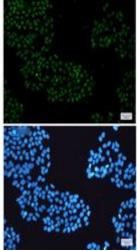
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Immunohistochemistry analysis of paraffin-embedded Human lung cancer using KDM4B/JMJD2B antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of KDM4B in 293, COS7 lysates using KDM4B antibody.



Immunocytochemistry analysis of KDM4B/JMJD2B(green) in Hela using KDM4B/JMJD2B antibody,and DAPI(blue)