

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **KDM4A RABBIT PAB**

**Cat.#:** S214426

Product Name: Anti-KDM4A Rabbit Polyclonal Antibody

**Synonyms:** JMJD2; JHDM3A; JMJD2A; TDRD14A **UNIPROT ID:** O75164 (Gene Accession - NP\_055478)

**Background:** This gene is a member of the Jumonji domain 2 (JMJD2) family and encodes a protein containing a JmjN domain, a JmjC domain, a JD2H domain, two TUDOR domains, and two PHD-type zinc fingers. This nuclear protein functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form, and as a transcriptional repressor.

Immunogen: Synthetic peptide of human KDM4A

Applications: ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 500-2000;ELISA: 2000-10000

Host Species: Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% alycerol

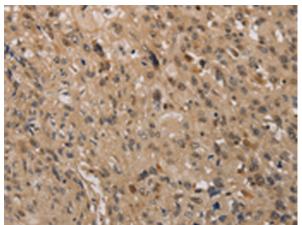
Research Areas: Epigenetics and Nuclear Signaling

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

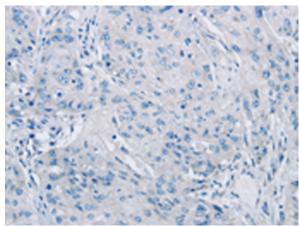


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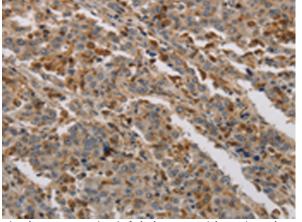
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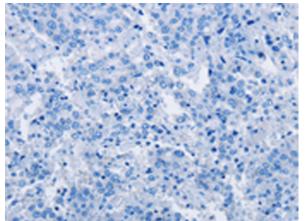
Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 214426(KDM4A Antibody) at a dilution of 1/40 (Cytoplasm and Nucleus).



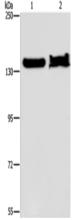
In comparision with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the synthetic peptide and then with 214426(Anti-KDM4A Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue using 214426(Anti-KDM4A Antibody) at a dilution of 1/40.



paraffin-embedded Human liver cancer tissue is first treated with synthetic peptide and then with D161809(Anti-KDM4A Antibody) at dilution 1/40.



Gel: 6%SDS-PAGE, Lysate: 40 µg; Lane 1-2: NIH/3T3 cells, mouse liver tissue; Primary antibody: 214426(KDM4A Antibody) at dilution 1/650; Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;

Exposure time: 5



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