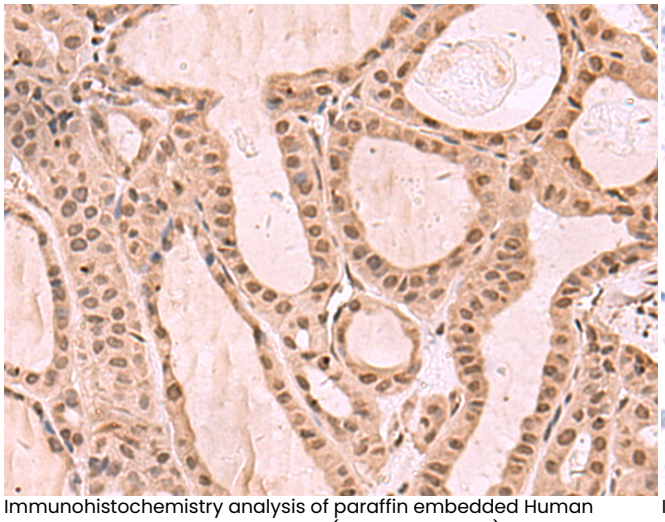
Pioneering GTPase and Oncogene Product Development since 2010

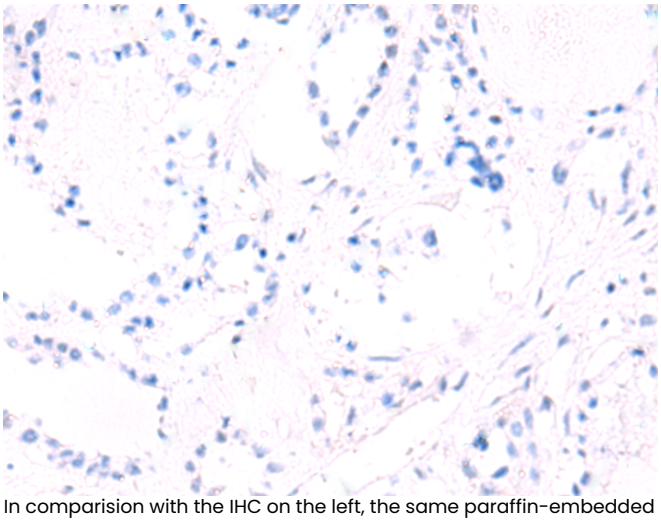
Product Description

KDM7A RABBIT PAB

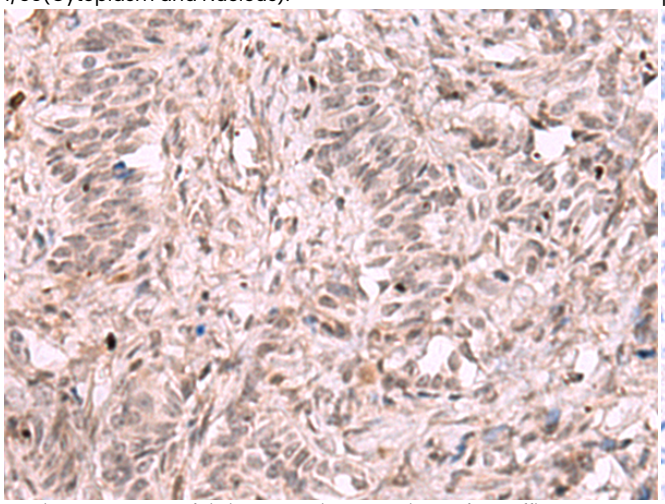
货号: S222259
产品全名: KDM7A 兔多抗
基因符号 JHDM1D
UNIPROT ID: Q6ZMT4 (Gene Accession – NP_085150)
背景: Histone demethylase required for brain development. Specifically demethylates dimethylated 'Lys-9' and 'Lys-27' (H3K9me2 and H3K27me2, respectively) of histone H3 and monomethylated histone H4 'Lys-20' residue (H4K20Me1), thereby playing a central role in histone code. Specifically binds trimethylated 'Lys-4' of histone H3 (H3K4me3), affecting histone demethylase specificity: in presence of H3K4me3, it has no demethylase activity toward H3K9me2, while it has high activity toward H3K27me2. Demethylates H3K9me2 in absence of H3K4me3. Has activity toward H4K20Me1 only when nucleosome is used as a substrate and when not histone octamer is used as substrate.
抗原: Synthetic peptide of human KDM7A
经过测试的应用: ELISA, IHC
推荐稀释比: IHC: 30-150; ELISA: 5000-10000
种属反应性: Rabbit
克隆性： Rabbit Polyclonal
亚型: Immunogen-specific rabbit IgG
纯化: Antigen affinity purification
种属反应性: Human, Mouse
成分: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol
研究领域: Epigenetics and Nuclear Signaling
储存和运输: Store at -20°C. Avoid repeated freezing and thawing



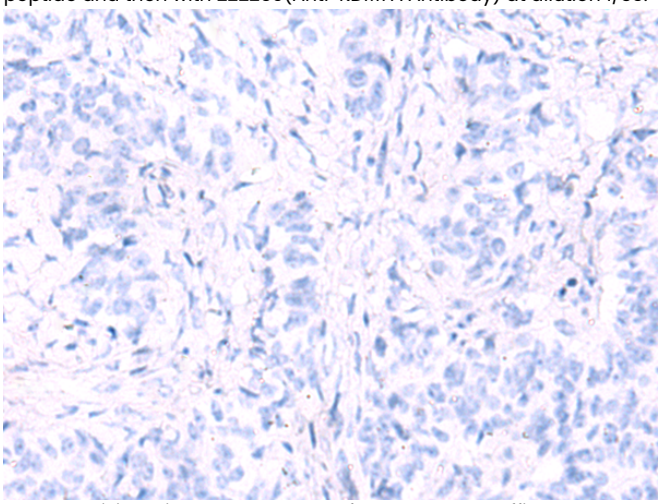
Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 222259(KDM7A Antibody) at a dilution of 1/35(Cytoplasm and Nucleus).



In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the synthetic peptide and then with 222259(Anti-KDM7A Antibody) at dilution 1/35.



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 222259(Anti-KDM7A Antibody) at a dilution of 1/35.



In comparision with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with synthetic peptide and then with D264292(Anti-KDM7A Antibody) at dilution 1/35.