组蛋白去甲基转移酶 JMJD1B 抗体

产品货号： mlR3824

英文名称： JMJD1B

中文名称： 组蛋白去甲基转移酶 JMJD1B 抗体

别　　名： JHDM2B; JmjC domain containing histone demethylation protein 2B; JmjC domain-containing histone demethylation protein 2B ; jmjd1b; Jumonji domain containing protein 1B; JUMONJI DOMAIN-CONTAINING PROTEIN 1B ; KDM3B; KDM3B_HUMAN; Lysine-specific demethylase 3B; Nuclear protein 5qNCA.

研究领域： 肿瘤　免疫学　转录调节因子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 190kDa

细胞定位： 细胞核

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human JMJD1B:1601-1761/1761

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

PubMed：　PubMed

产品介绍 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. Eptopic expression of JMJD1B exhibits growth suppressive activities, further supporting a role for JMJD1B in tumor suppression.

Function:

Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central role in histone code. Demethylation of Lys residue generates formaldehyde and succinate. May have tumor suppressor activity.

Subcellular Location:

Nucleus.

Tissue Specificity:

Ubiquitous. Highly expressed in placenta, skeletal muscle, kidney, heart and liver.

Similarity:

Belongs to the JHDM2 histone demethylase family.

Contains 1 JmjC domain.

SWISS:

Q7LBC6

Gene ID:

51780

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片