

## 甲状腺受体相互作用蛋白 8 抗体

产品货号： mIR17204

英文名称： JMJD1C

中文名称： 甲状腺受体相互作用蛋白 8 抗体

别名： JHD2C\_HUMAN; Jmjd1c; Jumonji domain containing 1C; Jumonji domain-containing protein 1C; Probable JmjC domain-containing histone demethylation protein 2C; Thyroid receptor interacting protein; Thyroid receptor-interacting protein 8; TR-interacting protein 8; TRIP-8; TRIP8.

研究领域： 细胞生物 转录调节因子 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Cow, Horse, Rabbit, Sheep,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 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 : 284kDa

细胞定位 : 细胞浆

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human JMJD1C:51-150/2540

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 ° C 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 ° C.

**PubMed :** PubMed

**产品介绍 :** JMJD1C is a nuclear protein that belongs to the JHDM2 family of histone demethylases. Expressed in a wide variety of tissues, JMJD1C binds iron as a cofactor and contains one JMJC domain, a TRI8H1 domain with a C2HC4-type zinc finger-like motif and a TRI8H2 domain with a TR  $\beta$  (thyroid hormone receptor  $\beta$ )-binding region. JMJD1C demethylates lysine-9 of Histone H3, thereby playing a central role in the histone code and participating in nuclear hormone receptor-based transcriptional regulation. In addition, JMJD1C plays an important role in the regulation of cell growth during development and in chromatin regulation. Due to alternative splicing events, two isoforms exist for JMJD1C. One of these isoforms functions as a coactivator for the AR (androgen receptor).

**Function:**

Probable 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 be involved in hormone-dependent transcriptional activation, by participating in recruitment to androgen-receptor target genes.

**Subunit:**

Interacts specifically with the ligand-binding domain of the thyroid receptor (TR). Requires the presence of thyroid hormone for its interaction.

**Subcellular Location:**

Nucleus.

**Post-translational modifications:**

Phosphorylated upon DNA damage, probably by ATM or ATR.

**Similarity:**

Belongs to the JHDM2 histone demethylase family.

Contains 1 JmjC domain.

**SWISS:**

Q15652

**Gene ID:**

221037

**Important Note:**

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