

## 组蛋白赖氨酸 N-甲基 5C 抗体

产品货号： mIR16799

英文名称： KMT5C

中文名称： 组蛋白赖氨酸 N-甲基 5C 抗体

别名： FLJ98627; Histone lysine N methyltransferase SUV420H2; KMT5C; Lysine N methyltransferase 5C; MGC2705; Su(var)4 20 homolog 2; SV422\_HUMAN; Suppressor of variegation 4 20 homolog 2; Suv4 20h2; SUV420H2.

产品类型： 甲基化抗体

研究领域： 细胞生物 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Cow, Horse, 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：** 52kDa

**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 KMT5C:101-200/462

**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 background:**

SUV420H2 and the related enzyme SUV420H1 (MIM 610881) function as histone methyltransferases that specifically trimethylate nucleosomal histone H4 (see MIM 602822) on lysine-20 (K20) (Schotta et al., 2004 [PubMed 15145825]).[supplied by OMIM, Dec 2009]

**Function:**

KMT5C/SUV4-20h2 is a histone methyltransferase that specifically trimethylates 'Lys-20' of histone H4. H4 'Lys-20' trimethylation represents a specific tag for epigenetic transcriptional repression. KMT5C/SUV4-20h2 mainly functions in pericentric heterochromatin regions, thereby playing a central role in the establishment of constitutive heterochromatin in these regions.

**Subunit:**

Interacts with HP1 proteins CBX1, CBX3 and CBX5. Interacts with RB1 family proteins RB1, RBL1 and RBL2 (By similarity). {ECO:0000250}.

**Subcellular Location:**

Nuclear.

**Similarity:**

Belongs to the class V-like SAM-binding methyltransferase superfamily. Histone-lysine methyltransferase family. Suvar4-20 subfamily.

**SWISS:**

Q86Y97

**Gene ID:**

84787

**Important Note:**

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