

组蛋白赖氨酸 N-甲基 2G 抗体

产品货号： mlR16794

英文名称： KMT2G

中文名称： 组蛋白赖氨酸 N-甲基 2G 抗体

别名： FLJ20803; Histone-lysine N-methyltransferase SETD1B; hSET1B; KIAA1076; KMT2G; Lysine N-methyltransferase 2G; SET domain containing 1B; SET domain-containing protein 1B; SET1B; SET1B_HUMAN; SETD1B.

研究领域： 细胞生物 淋巴细胞 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Cow, Horse, Rabbit,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=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 : 213kDa

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 KMT2G:161-260/1966

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:

SET1B is a component of a histone methyltransferase complex that produces trimethylated histone H3 at Lys4 (Lee et al., 2007 [PubMed 17355966]).[supplied by OMIM, Mar 2008]

Function:

Histone methyltransferase that specifically methylates 'Lys-4' of histone H3, when part of the SET1 histone methyltransferase (HMT) complex, but not if the neighboring 'Lys-9' residue is already methylated. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. The non-overlapping localization with SETD1A suggests that SETD1A and SETD1B make non-redundant contributions to the epigenetic control of chromatin structure and gene expression. Specifically tri-methylates 'Lys-4' of histone H3 in vitro.

Subcellular Location:

Nucleus speckle. Chromosome. Localizes to a largely non-overlapping set of euchromatic nuclear speckles with SETD1A, suggesting that SETD1A and SET1B each bind to a unique set of target genes.

Similarity:

Contains 1 post-SET domain.

Contains 1 RRM (RNA recognition motif) domain.

Contains 1 SET domain.

SWISS:

Q9UPS6

Gene ID:

23067

Important Note:

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