组蛋白甲基转移酶 SMYD2 抗体

产品货号： mlR6193

英文名称： SMYD2

中文名称： 组蛋白甲基转移酶 SMYD2 抗体

别　　名： HSKM B; HSKM-B; HSKMB; Histone methyltransferase SMYD2; HSKM-B; Lysine N-methyltransferase 3C; MGC119305; N lysine methyltransferase SMYD2; N-lysine methyltransferase SMYD2; SET and MYND domain containing 2; SET and MYND domain containing protein 2; SET and MYND domain-containing protein 2; Smyd2; SMYD2_HUMAN; Zinc finger MYND domain containing 14; ZMYND14.

研究领域： 肿瘤　细胞生物　染色质和核信号　信号转导　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

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

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： 50kDa

细胞定位： 细胞核 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human SMYD2:245-340/433

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:

Protein-lysine N-methyltransferase that methylates both histones and non-histone proteins. Specifically methylates histone H3 'Lys-4' (H3K4me) and dimethylates histone H3 'Lys-36' (H3K36me2). Has also methyltransferase activity toward non-histone proteins such as p53/TP53 and RB1. Monomethylates 'Lys-370' of p53/TP53, leading to decreased DNA-binding activity and subsequent transcriptional regulation activity of p53/TP53. Monomethylates 'Lys-860' of RB1/RB.

Function:

Protein-lysine N-methyltransferase that methylates both histones and non-histone proteins. Specifically methylates histone H3 'Lys-4' (H3K4me) and dimethylates histone H3 'Lys-36' (H3K36me2). Has also methyltransferase activity toward non-histone proteins such as p53/TP53 and RB1. Monomethylates 'Lys-370' of p53/TP53, leading to decreased DNA-binding activity and subsequent transcriptional regulation activity of p53/TP53. Monomethylates 'Lys-860' of RB1/RB.

Subunit:

Interacts with RNA polymerase II and HELZ. Interacts with SIN3A and HDAC1 (By similarity). Interacts (via MYND-type zinc finger) with EPB41L3. Interacts (via SET domain) with p53/TP53. Interacts with RB1 and HSP90AA1.

Subcellular Location:

Cytoplasm, cytosol (By similarity). Nucleus (By similarity).

Similarity:

Contains 1 MYND-type zinc finger.

Contains 1 SET domain.

SWISS:

Q9NRG4

Gene ID:

56950

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 ：