组蛋白赖氨酸 N-甲基转移酶 2B 抗体

产品货号： mlR16791

英文名称： KMT2B

中文名称： 组蛋白赖氨酸 N-甲基转移酶 2B 抗体

别　　名： Histone-lysine N-methyltransferase 2B; HRX2; KIAA0304 gene product; KMT2B; KMT2B_HUMAN; Likely ortholog of mouse WW domain binding protein 7; Lysine N-methyltransferase 2B; mixed lineage leukemia 4; Mixed lineage leukemia gene homolog 2 protein; MLL2; myeloid lymphoid leukemia 4; Myeloid lymphoid or mixed lineage leukemia protein 4; Myeloid/lymphoid or mixed-lineage leukemia protein 4; Trithorax homolog 2; trithorax homologue 2; TRX2; WBP-7; WBP7; WW domain-binding protein 7.

产品类型： 甲基化抗体

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, Mouse, Rat, Dog, Cow, Horse,

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： 293kDa

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 KMT2B:501-600/2715

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:

This gene encodes a protein which contains multiple domains including a CXXC zinc finger, three PHD zinc fingers, two FY-rich domains, and a SET (suppressor of variegation, enhancer of zeste, and trithorax) domain. The SET domain is a conserved C-terminal domain that characterizes proteins of the MLL (mixed-lineage leukemia) family. This gene is ubiquitously expressed in adult tissues. It is also amplified in solid tumor cell lines, and may be involved in human cancer. Two alternatively spliced transcript variants encoding distinct isoforms have been reported for this gene, however, the full length nature of the shorter transcript is not known. [provided by RefSeq, Jul 2008]

Function:

Histone methyltransferase. Methylates 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. Plays a central role in beta-globin locus transcription regulation by being recruited by NFE2. Plays an important role in controlling bulk H3K4me during oocyte growth and preimplantation development. Required during the transcriptionally active period of oocyte growth for the establishment and/or maintenance of bulk H3K4 trimethylation (H3K4me3), global transcriptional silencing that preceeds resumption of meiosis, oocyte survival and normal zygotic genome activation.

Subcellular Location:

Nucleus.

Tissue Specificity:

Widely expressed. Highest levels in testis. Also found in brain, bone marrow, heart, muscle, kidney, placenta,

spleen, thymus, prostate, ovary, intestine, colon, peripheral blood lymphocytes and pancreas. Often amplified in pancreatic carcinomas.

Similarity:

Belongs to the class V-like SAM-binding methyltransferase superfamily.

Histone-lysine methyltransferase family. TRX/MLL subfamily.

Contains 3 A.T hook DNA-binding domains.

Contains 1 CXXC-type zinc finger.

Contains 1 FYR C-terminal domain.

Contains 1 FYR N-terminal domain.

Contains 3 PHD-type zinc fingers.

Contains 1 post-SET domain.

Contains 1 SET domain.

SWISS:

Q9UMN6

Gene ID:

9757

Important Note:

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

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Good elisakit producers