

Anti-KMT2B / MLL4 antibody [4C10] ab56770

★★★★★ [1 Abreviews](#) [1 References](#) [2 图像](#)

概述

产品名称	Anti-KMT2B / MLL4抗体[4C10]
描述	小鼠单克隆抗体[4C10] to KMT2B / MLL4
宿主	Mouse
经测试应用	适用于: WB, Flow Cyt
种属反应性	与反应: Human, Recombinant fragment
免疫原	Recombinant fragment (proprietary-tag) corresponding to Human KMT2B/ MLL4 aa 813-904. Entrez gene ID: 9757 Sequence: KVAAS MPLSPGGQMEEVAGAVKQISDRGPVRSEDESVEAKRE RPSGPESP VQGPRIKHVCRHAAVALGQARAMVPEDVPRLSALPLRDRQDL

Database link: [Q9UMN6](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

常规说明

This product was changed from ascites to tissue culture supernatant on 11th June 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.4

纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	4C10
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab56770于以下的经测试应用

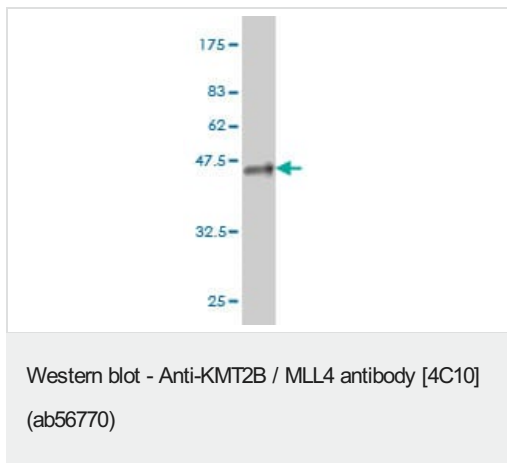
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	Use at an assay dependent concentration. This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

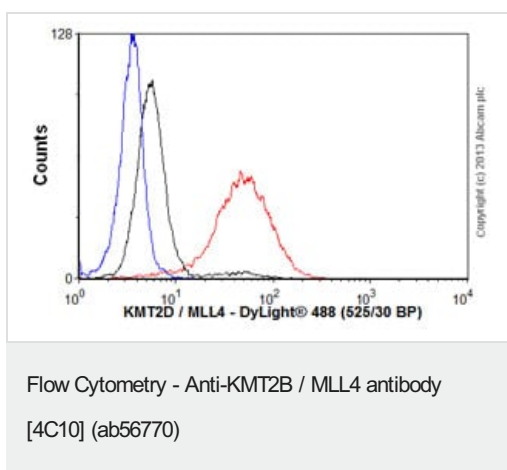
功能	Histone methyltransferase. Methylates 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. Plays a central role in beta-globin locus transcription regulation by being recruited by NFE2. Plays an important role in controlling bulk H3K4me 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.
组织特异性	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.
序列相似性	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.
细胞定位	Nucleus.

图片



Western blot against tagged recombinant protein immunogen using ab56770 MLL4 antibody at 1ug/ml. Predicted band size of immunogen is 36 kDa

This image was generated using the ascites version of the product.



Overlay histogram showing HL60 cells stained with ab56770 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab56770, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 2µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line). Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

This image was generated using the ascites version of the product.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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