

Product datasheet

Anti-MLL5 antibody ab192582

 1 Abreviews 1 图像**概述**

产品名称	Anti-MLL5抗体
描述	兔多克隆抗体to MLL5
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Human
免疫原	Recombinant full length protein corresponding to Human MLL5 aa 1 to the C-terminus. Database link: Q8IZD2

[Run BLAST with](#)[Run BLAST with](#)**阳性对照**

WB: NCI-H460 and HEK-293T cell lysates and Mouse brain tissue lysate.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.1% Sodium azide Constituents: 49% PBS, 50% Glycerol
纯度	Immunogen affinity purified
纯化说明	ab192582 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
克隆	多克隆
同种型	IgG

应用**The Abpromise guarantee****Abpromise™承诺保证使用ab192582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		1/500. Predicted molecular weight: 205 kDa.

应用	Ab评论	说明

靶标

功能

Histone methyltransferase that specifically mono- and dimethylates 'Lys-4' of histone H3 (H3K4me1 and H3K4me2). H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. Key regulator of hematopoiesis involved in terminal myeloid differentiation and in the regulation of hematopoietic stem cell (HSCs) self-renewal by a mechanism that involves DNA methylation. Plays an essential role in retinoic-acid-induced granulopoiesis by acting as a coactivator of RAR-alpha (RARA) in target gene promoters. Also acts as an important cell cycle regulator, participating in cell cycle regulatory network machinery at multiple cell cycle stages. Required to suppress inappropriate expression of S-phase-promoting genes and maintain expression of determination genes in quiescent cells. Overexpression inhibits cell cycle progression, while knockdown induces cell cycle arrest at both the G1 and G2/M phases.

组织特异性

Widely expressed in both adult and fetal tissues. Highest levels of expression observed in fetal thymus and kidney and in adult hematopoietic tissues, jejunum and cerebellum.

序列相似性

Belongs to the histone-lysine methyltransferase family. TRX/MLL subfamily.

Contains 1 PHD-type zinc finger.

Contains 1 SET domain.

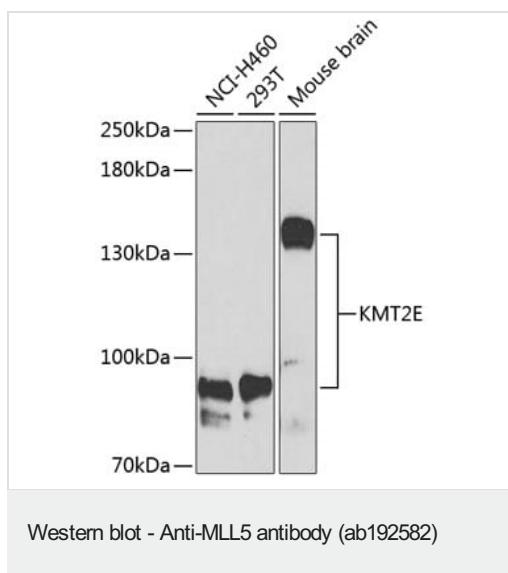
翻译后修饰

O-glycosylation at Thr-440 in the SET domain by OGT is essential for the histone methyltransferase and the coactivator activity toward RARA in granulopoiesis. The absence of Thr-440 glycosylation in assays done in vitro may explain why some authors did not detect any histone methyltransferase activity for this protein.

细胞定位

Nucleus speckle. Absent from the nucleolus.

图片



All lanes : Anti-MLL5 antibody (ab192582) at 1/500 dilution

Lane 1 : NCI-H460 (human lung cancer cell line) whole cell lysate

Lane 2 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 3 : Mouse brain tissue lysate

Predicted band size: 205 kDa

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors