

Product datasheet

Anti-KDM4B / JMJD2B antibody ab103129

1 References 3 图像

概述

产品名称	Anti-KDM4B / JMJD2B抗体
描述	兔多克隆抗体to KDM4B / JMJD2B
经测试应用	适用于: Flow Cyt, WB, IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to Human KDM4B/ JMJD2B aa 4-31 (N terminal) conjugated to keyhole limpet haemocyanin. Database link: O94953
阳性对照	K562 cell lysate, Human Testis tissue

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.
存储溶液	Preservative: 0.09% Sodium Azide Constituents: PBS
纯度	Immunogen affinity purified
纯化说明	This antibody is purified through a protein A column, followed by peptide affinity purification.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab103129** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
Flow Cyt		1/10 - 1/50.

应用	Ab评论	说明
WB		1/100 - 1/500. Predicted molecular weight: 122 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

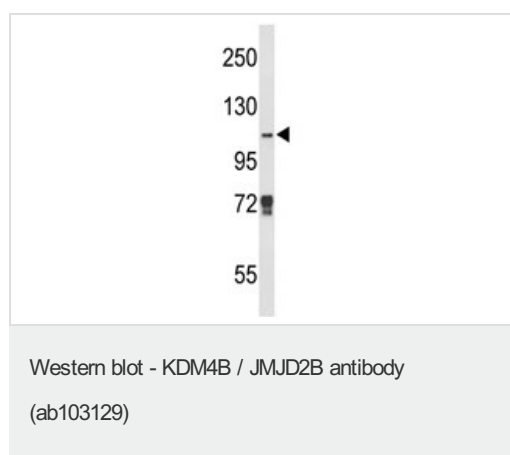
功能 Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Only able to demethylate trimethylated H3 'Lys-9', with a weaker activity than KDM4A, KDM4C and KDM4D. Demethylation of Lys residue generates formaldehyde and succinate.

序列相似性 Belongs to the JHDM3 histone demethylase family.
 Contains 1 JmjC domain.
 Contains 1 JmjN domain.
 Contains 2 PHD-type zinc fingers.
 Contains 2 Tudor domains.

结构域 The 2 Tudor domains recognize and bind methylated histones. Double Tudor domain has an interdigitated structure and the unusual fold is required for its ability to bind methylated histone tails.

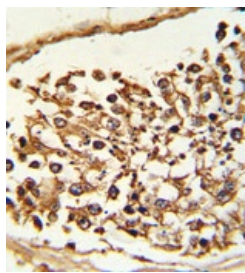
细胞定位 Nucleus.

图片



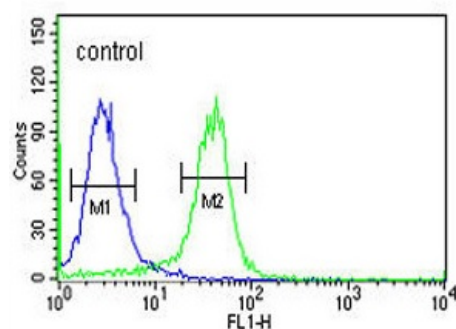
Anti-KDM4B / JMJD2B antibody (ab103129)
 at 1/100 dilution + K562 cell lysate at 35 µg

Predicted band size : 122 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - KDM4B / JMJD2B antibody (ab103129)

Formalin-fixed and paraffin-embedded Human Testis tissue, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining, using ab103129 at a dilution of 1/50.



Flow Cytometry - Anti-KDM4B / JMJD2B antibody (ab103129)

Flow cytometry analysis of K562 cells (right histogram) compared to a negative control cell (left histogram) using ab103129. FITC-conjugated goat anti-rabbit secondary antibodies were used for the analysis.

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