

Product datasheet

Anti-KDM1 / LSD1 antibody ab62582

★★★★☆ 1 Abreviews 2 References 画像数 3

製品の概要

製品名	Anti-KDM1 / LSD1 antibody
製品の詳細	Rabbit polyclonal to KDM1 / LSD1
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, IHC-P, WB
種交差性	交差種: Mouse, Rat, Human, Xenopus laevis
免疫原	Synthetic 16 amino acid peptide from near the centre of human KDM1/ LSD1.
ポジティブ・コントロール	P815 cell lysate.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	Preservative: 0.02% Sodium Azide Constituents: PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab62582** in the following tested applications.

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

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 20 µg/ml.
IHC-P		Use a concentration of 2 µg/ml.

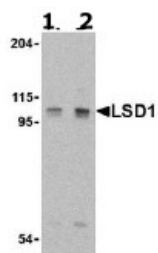
アプリケーション	Abreviews	特記事項
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WB ★★★★☆ Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 105 kDa (predicted molecular weight: 93 kDa). Can be blocked with [KDM1 / LSD1 peptide \(ab166968\)](#).

ターゲット情報

機能	Histone demethylase that demethylates both 'Lys-4' (H3K4me) and 'Lys-9' (H3K9me) of histone H3, thereby acting as a coactivator or a corepressor, depending on the context. Acts by oxidizing the substrate by FAD to generate the corresponding imine that is subsequently hydrolyzed. Acts as a corepressor by mediating demethylation of H3K4me, a specific tag for epigenetic transcriptional activation. Demethylates both mono- (H3K4me1) and di-methylated (H3K4me2) H3K4me. May play a role in the repression of neuronal genes. Alone, it is unable to demethylate H3K4me on nucleosomes and requires the presence of RCOR1/CoREST to achieve such activity. Also acts as a coactivator of androgen receptor (ANDR)-dependent transcription, by being recruited to ANDR target genes and mediating demethylation of H3K9me, a specific tag for epigenetic transcriptional repression. The presence of PRKCB in ANDR-containing complexes, which mediates phosphorylation of 'Thr-6' of histone H3 (H3T6ph), a specific tag that prevents demethylation H3K4me, prevents H3K4me demethylase activity of KDM1A. Demethylates di-methylated 'Lys-370' of p53/TP53 which prevents interaction of p53/TP53 with TP53BP1 and represses p53/TP53-mediated transcriptional activation. Demethylates and stabilizes the DNA methylase DNMT1. Required for gastrulation during embryogenesis.
組織特異性	Ubiquitously expressed.
配列類似性	Belongs to the flavin monoamine oxidase family. Contains 1 SWIRM domain.
ドメイン	The SWIRM domain may act as an anchor site for a histone tail.
細胞内局在	Nucleus.

画像



Western blot - KDM1 / LSD1 antibody (ab62582)

Lane 1 : Anti-KDM1 / LSD1 antibody

(ab62582) at 1 µg/ml

Lane 2 : Anti-KDM1 / LSD1 antibody

(ab62582) at 2 µg/ml

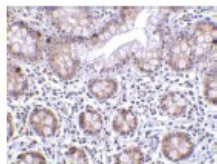
All lanes : P815 cell lysate

Lysates/proteins at 15 µg per lane.

Predicted band size: 93 kDa

Observed band size: 105 kDa

Additional bands at: 60 kDa. We are unsure as to the identity of these extra bands.

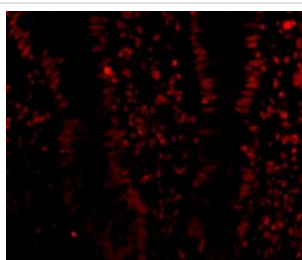


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - KDM1 / LSD1 antibody (ab62582)

Immunohistochemical analysis of KDM1 /

LSD1 expression in paraffin-embedded

human small intestine tissue using ab62582 at 2 µg/ml.



Immunocytochemistry/ Immunofluorescence-Anti-KDM1 / LSD1 antibody(ab62582)

Immunofluorescence of LSD1 in Human Small Intestine cells using ab62582 at 20 µg/ml.

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