Order: (888)-282-5810 (Phone)
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KDM1B (N) Antibody, Rabbit Polyclonal

Cat#: R0220-1

Lot#: Refer to vial

Quantity: 100 ul

Application: WB, IP, ChIP

Predicted I Observed M.W.: 92 kDa

Uniprot ID: Q8NB78

Background:

Lysine-specific histone demethylase 1B (KDM1B) belongs to the flavin monoamine oxidase family. KDM1B is a histone demethylase that demethylates 'Lys-4' of histone H3, a specific tag for epigenetic transcriptional activation, thereby acting as a corepressor. KDM1B is required for de novo DNA methylation of a subset of imprinted genes during oogenesis. KDM1B demethylates both mono- and di-methylated 'Lys-4' of histone H3, but has no effect on tri-methylated 'Lys-4' or other methylated Lys residues of histone H3 or H4.

Other Names:

Lysine-specific histone demethylase 1B, Flavin-containing amine oxidase domain-containing protein 1
Lysine-specific histone demethylase 2, AOF1, C6orf193, LSD2

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human KDM1B. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN_3. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)
IP & ChIP: 1:100- 1:200

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

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Product Data:

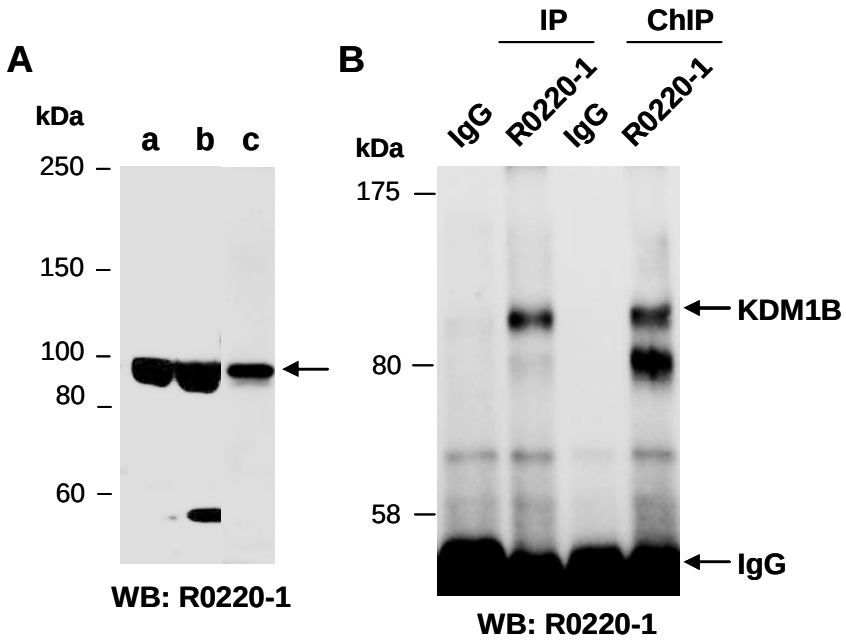

Fig 1. (A) *Western blot of total cell extracts from a. mouse thymus, b. human HepG2, c. human HeLa, using anti-KDM1B (N) (R0220-1) at RT for 2 h.* ***(B)*** *Total extracts from mouse thymus were immunoprecipitated (IP) with IgG or anti-KDM1B (N) (R0220-1) under the conventional IP conditions or cross-linked chromatin immunoprecipitation (ChIP) conditions; followed by WB with anti-KDM1B (N) (R0220-1) at RT for 2 h.*