

# Resource Summary Report

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## KDM1A-human

RRID:AB\_443964

Type: Antibody

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### Proper Citation

(Abcam Cat# ab17721, RRID:AB\_443964)

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_443964](http://antibodyregistry.org/AB_443964)

**Proper Citation:** (Abcam Cat# ab17721, RRID:AB\_443964)

**Target Antigen:** KDM1A

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** ENCODE PROJECT External validation for lot# GR101089 is available under ENCODE ID: ENCAB168LAD

**Antibody Name:** KDM1A-human

**Description:** This polyclonal targets KDM1A

**Target Organism:** homo sapiens

**Antibody ID:** AB\_443964

**Vendor:** Abcam

**Catalog Number:** ab17721

**Record Creation Time:** 20241016T222728+0000

**Record Last Update:** 20241016T225450+0000

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### Ratings and Alerts

- ENCODE PROJECT External validation for lot: GR101089 is available under ENCODE ID: ENCAB168LAD - ENCODE <https://www.encodeproject.org/antibodies/ENCAB168LAD>

No alerts have been found for KDM1A-human.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 22 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Ginley-Hidinger M, et al. (2024) Cis-regulatory control of transcriptional timing and noise in response to estrogen. *Cell genomics*, 4(5), 100542.

Harris RJ, et al. (2023) Release of Histone H3K4-reading transcription factors from chromosomes in mitosis is independent of adjacent H3 phosphorylation. *Nature communications*, 14(1), 7243.

Tang F, et al. (2023) E3 ligase Trim35 inhibits LSD1 demethylase activity through K63-linked ubiquitination and enhances anti-tumor immunity in NSCLC. *Cell reports*, 42(12), 113477.

Jones JA, et al. (2023) Nuclear translocation of an aminoacyl-tRNA synthetase may mediate a chronic "integrated stress response". *Cell reports*, 42(6), 112632.

Luo Q, et al. (2023) Covalent Peptide LSD1 Inhibitor Specifically Recognizes Cys360 in the Enzyme-Active Region. *Journal of medicinal chemistry*, 66(22), 15409.

Zhang G, et al. (2023) CPT1A induction following epigenetic perturbation promotes MAVS palmitoylation and activation to potentiate antitumor immunity. *Molecular cell*, 83(23), 4370.

Gerosa L, et al. (2022) The epilepsy-associated protein PCDH19 undergoes NMDA receptor-dependent proteolytic cleavage and regulates the expression of immediate-early genes. *Cell reports*, 39(8), 110857.

Astro V, et al. (2022) Fine-tuned KDM1A alternative splicing regulates human cardiomyogenesis through an enzymatic-independent mechanism. *iScience*, 25(7), 104665.

Yang J, et al. (2021) TRPS1 drives heterochromatic origin refiring and cancer genome evolution. *Cell reports*, 34(10), 108814.

Stengel KR, et al. (2021) Definition of a small core transcriptional circuit regulated by AML1-ETO. *Molecular cell*, 81(3), 530.

Orellana EA, et al. (2021) METTL1-mediated m7G modification of Arg-TCT tRNA drives oncogenic transformation. *Molecular cell*, 81(16), 3323.

Johnston G, et al. (2020) Nascent transcript and single-cell RNA-seq analysis defines the mechanism of action of the LSD1 inhibitor INCB059872 in myeloid leukemia. *Gene*, 752, 144758.

Clark EA, et al. (2019) GR and LSD1/KDM1A-Targeted Gene Activation Requires Selective H3K4me2 Demethylation at Enhancers. *Cell reports*, 27(12), 3522.

Mukai J, et al. (2019) Recapitulation and Reversal of Schizophrenia-Related Phenotypes in Setd1a-Deficient Mice. *Neuron*, 104(3), 471.

Kyzar EJ, et al. (2019) MicroRNA-137 Drives Epigenetic Reprogramming in the Adult Amygdala and Behavioral Changes after Adolescent Alcohol Exposure. *eNeuro*, 6(6).

Egolf S, et al. (2019) LSD1 Inhibition Promotes Epithelial Differentiation through Derepression of Fate-Determining Transcription Factors. *Cell reports*, 28(8), 1981.

Anastas JN, et al. (2019) Re-programing Chromatin with a Bifunctional LSD1/HDAC Inhibitor Induces Therapeutic Differentiation in DIPG. *Cancer cell*, 36(5), 528.

Zeng Y, et al. (2019) Regulation of EZH2 by SMYD2-Mediated Lysine Methylation Is Implicated in Tumorigenesis. *Cell reports*, 29(6), 1482.

Sheng W, et al. (2018) LSD1 Ablation Stimulates Anti-tumor Immunity and Enables Checkpoint Blockade. *Cell*, 174(3), 549.

Kim D, et al. (2018) PKC $\beta$ -LSD1-NF- $\kappa$ B-Signaling Cascade Is Crucial for Epigenetic Control of the Inflammatory Response. *Molecular cell*, 69(3), 398.