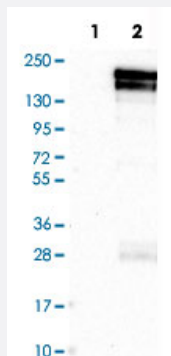


KDM5B polyclonal antibody

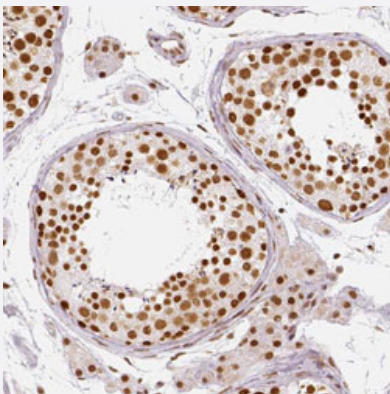
Catalog # PAB31551 Size 100 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: negative control (vector only transfected HEK293T cell lysate) and Lane 2: over-expression lysate (co-expressed with a C-terminal myc-DDK tag in mammalian HEK293T cells) with KDM5B polyclonal antibody (Cat # PAB31551).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human testis with KDM5B polyclonal antibody (Cat # PAB31551) shows moderate to strong nuclear positivity in cells in seminiferous ducts and Leydig cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human KDM5B.
Immunogen	Recombinant protein corresponding to human KDM5B.
Sequence	DGINSLERKLRRLEREGLSERWERVKKMRTPKKKKIKLSHPKDMNNFKLERERSYELVRS AET HSLPSDTSYSEQEDSE
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: negative control (vector only transfected HEK293T cell lysate) and Lane 2: over-expression lysate (co-expressed with a C-terminal myc-DDK tag in mammalian HEK293T cells) with KDM5B polyclonal antibody (Cat # PAB31551).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — KDM5B

Entrez GeneID	10765
Protein Accession#	Q9UGL1
Gene Name	KDM5B
Gene Alias	FLJ10538, FLJ12459, FLJ12491, FLJ16281, FLJ23670, KDM5B, PLU-1, PUT1, RBBP2H1A
Gene Description	jumonji, AT rich interactive domain 1B
Omim ID	605393
Gene Ontology	Hyperlink
Gene Summary	O

Other Designations

OTTHUMP00000038815|RBP2-like|putative DNA/chromatin binding motif|retinoblastoma-binding protein 2, homolog 1A

Publication Reference

- [An easy and efficient inducible CRISPR/Cas9 platform with improved specificity for multiple gene targeting.](#)

Cao J, Wu L, Zhang SM, Lu M, Cheung WK, Cai W, Gale M, Xu Q, Yan Q.

Nucleic Acids Research 2016 Nov; 44(19):e149.

Application: WB-Tr, Human, HeLa cells

- [Overexpression of JARID1B is associated with poor prognosis and chemotherapy resistance in epithelial ovarian cancer.](#)

Wang L, Mao Y, Du G, He C, Han S.

Tumour Biology 2015 Apr; 36(4):2465.

Application: IHC-P, WB-Ti, Human, Human ovarian cancer

- [Physical and functional interactions between the histone H3K4 demethylase KDM5A and the nucleosome remodeling and deacetylase \(NuRD\) complex.](#)

Nishibuchi G, Shibata Y, Hayakawa T, Hayakawa N, Ohtani Y, Sinmyozu K, Tagami H, Nakayama JI.

The Journal of Biological Chemistry 2014 Oct; 289(42):28956.

- [JARID1B is a luminal lineage-driving oncogene in breast cancer.](#)

Yamamoto S, Wu Z, Russnes HG, Takagi S, Peluffo G, Vaske C, Zhao X, Volland HK, Maruyama R, Ekram MB, Sun H, Kim JH, Carver K, Zucca M, Feng J, Almendro V, Bessarabova M, Rueda OM, Nikolsky Y, Caldas C, Liu XS, Polyak K.

Cancer Cell 2014 Jun; 25(6):762.

Application: ChIP-Seq, IP, WB-Ce, WB-Tr, Human, CAMA, HCC2157, MCF-7, SUM52PE, SUM185PE, SUM159PT, T-47D cells

- [Histone demethylase jumonji AT-rich interactive domain 1B \(JARID1B\) controls mammary gland development by regulating key developmental and lineage specification genes.](#)

Zou MR, Cao J, Liu Z, Huh SJ, Polyak K, Yan Q.

The Journal of Biological Chemistry 2014 Jun; 289(25):17620.

Application: WB-Ce, WB-Tr, Mouse, Mouse mammary epithelial cells

- [The histone-H3K4-specific demethylase KDM5B binds to its substrate and product through distinct PHD fingers.](#)

Klein BJ, Piao L, Xi Y, Rincon-Arano H, Rothbart SB, Peng D, Wen H, Larson C, Zhang X, Zheng X, Cortazar MA, Peña PV, Mangan A, Bentley DL, Strahl BD, Groudine M, Li W, Shi X, Kutateladze TG.

Cell Reports 2014 Jan; 6(2):325.

Application: ChIP, WB-Ce, WB-Tr, Human, 76NF2V, AU565, MCF-7, MCF-10A, MDA-MB-231, MDA-MB-361, MDA-MB-436, MDA-MB-468, SKBR3, T-47D cells

- [The human melanoma side population displays molecular and functional characteristics of enriched chemoresistance and tumorigenesis.](#)

Wouters J, Stas M, Gremeaux L, Govaere O, Van den Broeck A, Maes H, Agostinis P, Roskams T, van den Oord JJ, Vankelecom H.

PLoS One 2013 Oct; 8(10):e76550.

Application: IHC-P, Human, Human melanoma

- [Overexpression of the JmjC histone demethylase KDM5B in human carcinogenesis: involvement in the proliferation of cancer cells through the E2F/RB pathway.](#)

Hayami S, Yoshimatsu M, Veerakumarasivam A, Unoki M, Iwai Y, Tsunoda T, Field HI, Kelly JD, Neal DE, Yamaue H, Ponder BA, Nakamura Y, Hamamoto R.

Molecular Cancer 2010 Mar; 9:59.

Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)