

Product Datasheet

Lysine (K)-specific Demethylase 5B/KDM5B/JARID1B Antibody - BSA Free NBP1-84352

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-84352

Lysine (K)-specific Demethylase 5B/KDM5B/JARID1B Antibody - BSA Free

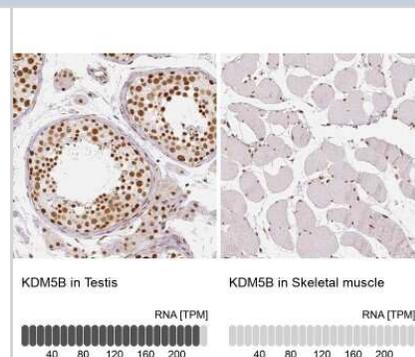
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	10765
Gene Symbol	KDM5B
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 24802759).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: DGINSLERKLRRLEREGLSSERWERVKKMRTPKKKKIKLSHPKDMNNFKLER ERSYELVRS AETHSLPSDTSYSEQEDSE

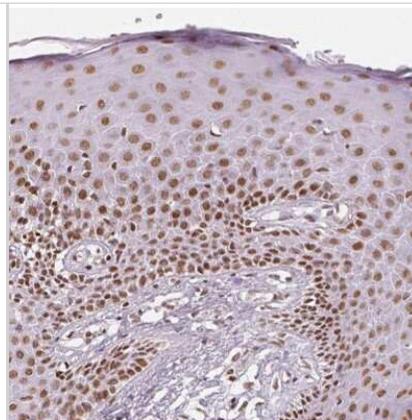
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot Reported in scientific literature (PMID: 25190814) , Immunohistochemistry 1:1000 - 1:2500, Immunoprecipitation Reported in scientific literature (PMID: 25190814) , Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

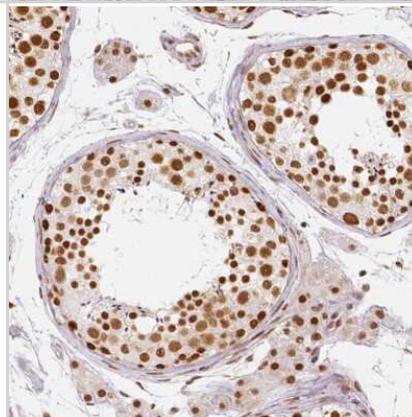
Immunohistochemistry-Paraffin: Lysine (K)-specific Demethylase 5B/KDM5B/JARID1B Antibody [NBP1-84352] - Staining in human testis and skeletal muscle tissues . Corresponding KDM5B RNA-seq data are presented for the same tissues.



Immunohistochemistry-Paraffin: Lysine (K)-specific Demethylase 5B/KDM5B/JARID1B Antibody [NBP1-84352] - Immunohistochemical staining of human skin shows moderate to strong nuclear positivity in epidermal cells.



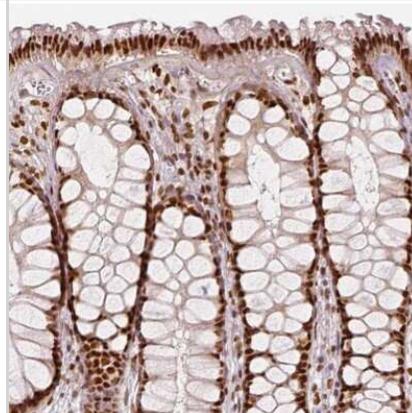
Immunohistochemistry-Paraffin: Lysine (K)-specific Demethylase 5B/KDM5B/JARID1B Antibody [NBP1-84352] - Immunohistochemical staining of human testis shows moderate to strong nuclear positivity in cells in seminiferous ducts and Leydig cells.



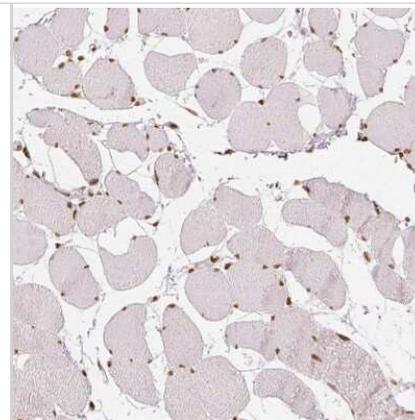
Immunohistochemistry-Paraffin: Lysine (K)-specific Demethylase 5B/KDM5B/JARID1B Antibody [NBP1-84352] - Immunohistochemical staining of human tonsil shows moderate to strong nuclear positivity in lymphoid cells.



Immunohistochemistry-Paraffin: Lysine (K)-specific Demethylase 5B/KDM5B/JARID1B Antibody [NBP1-84352] - Immunohistochemical staining of human rectum shows moderate to strong nuclear positivity in glandular cells.



Immunohistochemistry-Paraffin: Lysine (K)-specific Demethylase 5B/KDM5B/JARID1B Antibody [NBP1-84352] - Staining of human skeletal muscle shows weak nuclear positivity in myocytes.



Publications

Li G, Kanagasabai T, Lu W et al. KDM5B Is Essential for the Hyperactivation of PI3K/AKT Signaling in Prostate Tumorigenesis *Cancer Research* 2020-11-01 [PMID: 32868382] (Western Blot, Block/Neutralize)

Zhang SM, Cai WL, Liu X Et al. KDM5B promotes immune evasion by recruiting SETDB1 to silence retroelements *Nature* 2021-10-01 [PMID: 34671158] (Chemotaxis)

Wang L, Mao Y, Du G et al. Overexpression of JARID1B is associated with poor prognosis and chemotherapy resistance in epithelial ovarian cancer. *Tumour Biol* 2015-04-01 [PMID: 25663457] (IF/IHC, Human)

Nishibuchi G, Shibata Y, Hayakawa T et al. Physical and functional interactions between the histone H3K4 demethylase KDM5A and the nucleosome remodeling and deacetylase (NuRD) complex. *J Biol Chem* 2014-09-04 [PMID: 25190814] (IP, WB, Human)

Yamamoto S, Wu Z, Russnes HG et al. JARID1B is a luminal lineage-driving oncogene in breast cancer. *Cancer Cell* 2014-06-16 [PMID: 24937458] (IP, IF/IHC, Human)

Zou MR, Cao J, Liu Z et al. Histone Demethylase Jumonji AT-rich Interactive Domain 1B (JARID1B) Controls Mammary Gland Development by Regulating Key Developmental and Lineage Specification Genes. *J Biol Chem* 2014-06-20 [PMID: 24802759] (WB, Mouse)

Klein BJ, Piao L, Xi Y et al. The histone-H3K4-specific demethylase KDM5B binds to its substrate and product through distinct PHD fingers. *Cell Rep* 2014-01-30 [PMID: 24412361]

Wouters J, Stas M, Gremeaux L et al. The Human Melanoma Side Population Displays Molecular and Functional Characteristics of Enriched Chemoresistance and Tumorigenesis. *PLoS One* 2013-01-01 [PMID: 24098529]

Lu W, Liu S, Li B et al. SKP2 inactivation suppresses prostate tumorigenesis by mediating JARID1B ubiquitination. *Oncotarget* 2015-01-20 [PMID: 25596733] (WB)

Hayami S, Yoshimatsu M, Veerakumarasivam A et al. Overexpression of the JmjC histone demethylase KDM5B in human carcinogenesis: involvement in the proliferation of cancer cells through the E2F/RB pathway. *Mol Cancer*. 2010-05-13 [PMID: 20226085]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-84352

NBP1-84352PEP	Lysine (K)-specific Demethylase 5B/KDM5B/JARID1B Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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