

Rabbit JHDM2b Polyclonal Antibody | anti-KDM3B antibody

JHDM2b Antibody (Center)

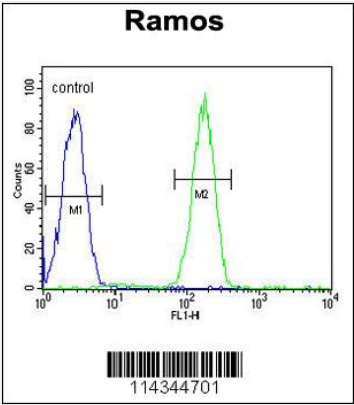
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284094	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

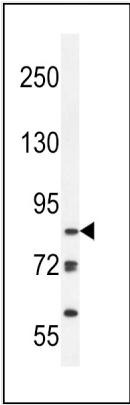
JHDM2b; Polyclonal Antibody; JHDM2b Antibody (Center); Lysine-specific demethylase 3B; 11411-; JmjC domain-containing histone demethylation protein 2B; Jumonji domain-containing protein 1B; Nuclear protein 5qNCA; KDM3B; C5orf7; JHDM2B; JMJD1B; KIAA1082; anti-KDM3B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This JHDM2b antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 869-897 amino acids from the Central region of human JHDM2b.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	869-897
Sequence Length	1761
Applicable Applications for anti-KDM3B antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
JHDM2b Antibody (Center) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
JHDM2b Antibody (Center) western blot analysis in Ramos cell line lysates (35ug/lane).This demonstrates the JHDM2b antibody detected the JHDM2b protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-KDM3B antibody	Covalent modification of histones plays critical role in regulating chromatin structure and transcription. While most covalent histone modifications are reversible, only recently has it been established that methyl groups are subject to enzymatic removal from histones. A family of novel JmjC domain-containing histone demethylation (JHDM) enzymes have been identified that perform this specific function. Histone demethylation by JHDM proteins requires cofactors Fe(II) and alpha-ketoglutarate. Family members include JHDM1 (demethylating histone 3 at lysine 36), and JHDM2A as well as JMJD2CH3K9 (both of which demethylate histone 3 at lysine 9). Contributions of histone demethylase activity to tumor development, decreases in cell proliferation, and hormone-dependent transcriptional activation have been observed.
Product Categories/Family for anti-KDM3B antibody	Cancer
References	Rose, J. Phd, et al. Mol. Med. (2010) In press : Olsen, J.V., et al. Cell 127(3):635-648(2006) Olsen, J.V., et al. Cell 127(3):635-648(2006) Yamane, K., et al. Cell 125(3):483-495(2006) Andersen, J.S., et al. Nature 433(7021):77-83(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	38372909
NCBI GeneID	51780
NCBI Accession #	NP_057688.2
NCBI GenBank Nucleotide #	NM_016604.3
UniProt Accession #	Q7LBC6; Q9BVH6; Q9BW93; Q9BZ52; Q9NYF4; Q9UPS0; A6H8X7
Molecular Weight	191581
NCBI Official Full Name	lysine-specific demethylase 3B
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 3B
NCBI Official Symbol	KDM3B
NCBI Official Synonym Symbols	5qNCA; NET22; C5orf7; JMJD1B
NCBI Protein Information	lysine-specific demethylase 3B
UniProt Protein Name	Lysine-specific demethylase 3B

UniProt Gene Name	KDM3B
UniProt Synonym Gene Names	C5orf7; JHDM2B; JMJD1B; KIAA1082
UniProt Entry Name	KDM3B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/jhdm2b-antibody-flow-cytometry-western-blot-elisa/284094>