

## Rabbit anti-Human JMJD2B Polyclonal Antibody | anti-KDM4B antibody

JMJD2B Antibody (N-term)

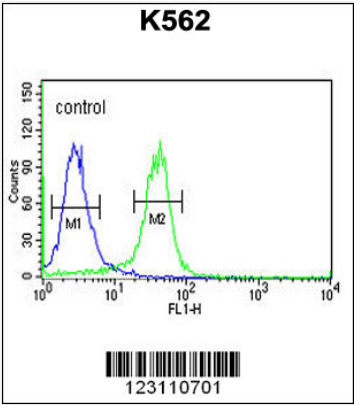
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                |
|-----------|--------|------------|-----------------------------------------------------------------------------|
| AAA285058 | Rabbit | Human      | Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

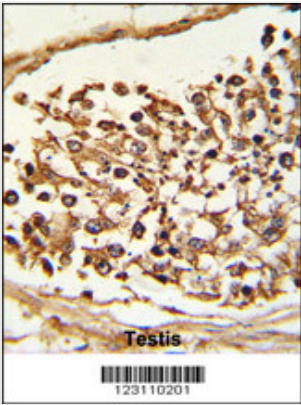
JMJD2B; Polyclonal Antibody; JMJD2B Antibody (N-term); Lysine-specific demethylase 4B; 11411-; JmjC domain-containing histone demethylation protein 3B; Jumonji domain-containing protein 2B; KDM4B; JHDM3B; KIAA0876; anti-KDM4B antibody

### PRODUCT SPECIFICATIONS

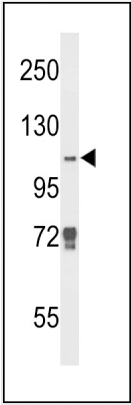
|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human                                                                                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Rabbit Ig                                                                                                                                                                    |
| Specificity                                     | This JMJD2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 4-31 amino acids from the N-terminal region of human JMJD2B.        |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                   | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                              | 4-31                                                                                                                                                                         |
| Sequence Length                                 | 448                                                                                                                                                                          |
| Applicable Applications for anti-KDM4B antibody | FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), 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)**  
JMJD2B Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**IHC (Immunohistochemistry)**  
Formalin-fixed and paraffin-embedded human Testis tissue reacted with JMJD2B Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



**WB (Western Blot)**  
Western blot analysis of JMJD2B Antibody (N-term) in K562 cell line lysates (35ug/lane). JMJD2B (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-KDM4B antibody | KDM4B / JMJD2B is a jumonji domain containing histone demethylase that specifically demethylates histone H3 at K9 and K36.                                                                                                                                                                         |
| References                                          | Beyer, S., et al. J. Biol. Chem. 283(52):36542-36552(2008)<br>Pollard, P.J., et al. Biochem. J. 416(3):387-394(2008)<br>Kato, Y., et al. Int. J. Mol. Med. 20(2):269-273(2007)<br>Whetstone, J.R., et al. Cell 125(3):467-481(2006)<br>Gray, S.G., et al. J. Biol. Chem. 280(31):28507-28518(2005) |

NCBI AND UNIPROT INFORMATION

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| NCBI GI #                 | 45504380                                               |
| NCBI GeneID               | 23030                                                  |
| NCBI Accession #          | NP_055830.1                                            |
| NCBI GenBank Nucleotide # | NM_015015.2                                            |
| UniProt Accession #       | O94953; O75274; Q6P3R5; Q9P1V1; Q9UF40; B9EGN8; D6W631 |
| Molecular Weight          | 121897                                                 |

|                                  |                                    |
|----------------------------------|------------------------------------|
| NCBI Official Full Name          | lysine-specific demethylase 4B     |
| NCBI Official Synonym Full Names | lysine (K)-specific demethylase 4B |
| NCBI Official Symbol             | KDM4B                              |
| NCBI Official Synonym Symbols    | JMJD2B; TDRD14B                    |
| NCBI Protein Information         | lysine-specific demethylase 4B     |
| UniProt Protein Name             | Lysine-specific demethylase 4B     |
| UniProt Gene Name                | <b>KDM4B</b>                       |
| UniProt Synonym Gene Names       | JHDM3B; JMJD2B; KIAA0876           |
| UniProt Entry Name               | KDM4B_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/jmjd2b-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285058>