

Mouse anti-Human JMJD2B/KDM4B Antibody | anti-JMJD2B/KDM4B antibody

AbFlex JMJD2B/KDM4B antibody (rAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60288	Mouse	Human	Western Blot, Immunoprecipitation

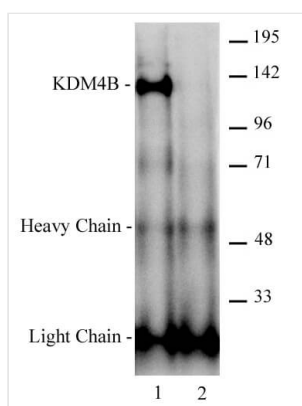
PRODUCT SYNONYMS

JMJD2B/KDM4B; AbFlex JMJD2B/KDM4B antibody (rAb); TDRD14B; anti-JMJD2B/KDM4B antibody

PRODUCT SPECIFICATIONS

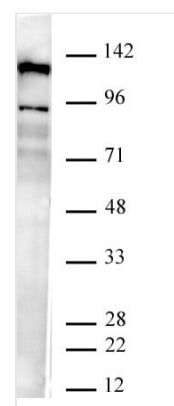
Host	Mouse
Reactivity	Human
Isotype	IgG2a
Purity/Purification	Protein A Chromatography
Form/Format	140mM Hepes, pH7.5, 70mM NaCl, 32mM NaOAc, 0.035% sodium azide, and 30% glycerol. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-JMJD2B/KDM4B antibody	WB (Western Blot), IP (Immunoprecipitation)
Antibody Type	Recombinant Antibody
Immunogen	This antibody was raised against full-length recombinant human lysine-specific demethylase 4B (KDM4B) protein.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)

AbFlex JMJD2B / KDM4B antibody (rAb) tested antibody tested by immunoprecipitation. 4 ug of AbFlex JMJD2B / KDM4B antibody (Lane 1) or an unrelated mouse IgG (Lane 2) was used to immunoprecipitate JMJD2B / KDM4B from 500 ug of K562 nuclear extract. The immunoprecipitated protein was detected by Western blotting using a JMJD2B / KDM4B antibody at a dilution of 1:500.



SDS-PAGE

AbFlex JMJD2B / KDM4B antibody (rAb) tested by Western blot. 20 ug of K562 nuclear extract was run on SDS-PAGE and probed with AbFlex JMJD2B / KDM4B antibody at 2 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-JMJD2B/KDM4B antibody	Short Description: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. Our AbFlex JMJD2B/KDM4B antibody (rAb) was raised in a Mouse host. It has been validated for use in Immunoprecipitation and Western blot; it has been shown to react with Human samples. Background: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. AbFlex JMJD2B/KDM4B antibody was expressed in 293 cells and contains mouse immunoglobulin heavy and light chains. JMJD2B/KDM4B (JmjC domain-containing histone demethylation protein 3B, Jumonji domain-containing protein 2B, JHDM3B) is a histone demethylase that has been shown to demethylate histone H3 trimethylated at lysine 9. JMJD2B/KDM4B is physically associated with the MLL2 methyltransferase complex where it serves as a co-factor for ERA-mediated transcriptional activation.
Product Categories/Family for anti-JMJD2B/KDM4B antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	45504380
NCBI GeneID	23030
NCBI Accession #	NP_055830
NCBI GenBank Nucleotide #	NM_015015
UniProt Accession #	O94953
Molecular Weight	122kDa
NCBI Official Full Name	lysine-specific demethylase 4B
NCBI Official Synonym Full Names	lysine 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	KDM4B
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.