

Mouse anti-Human JMJD2D/KDM4D Antibody | anti-JMJD2D/KDM4D antibody

AbFlex JMJD2D/KDM4D antibody (rAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60304	Mouse	Human	Western Blot, Immunoprecipitation, Dot Blot

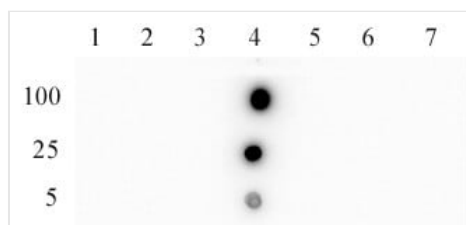
PRODUCT SYNONYMS

JMJD2D/KDM4D; AbFlex JMJD2D/KDM4D antibody (rAb); Lysine Demethylase 4D; Jumonji Domain-Containing Protein 2D; JHDM3D; anti-JMJD2D/KDM4D antibody

PRODUCT SPECIFICATIONS

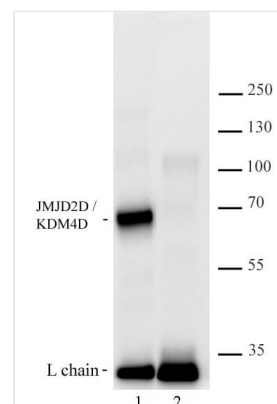
Host	Mouse
Reactivity	Human
Isotype	IgG2a
Purity/Purification	Protein A Chromatography
Form/Format	140mM Hepes, pH7.5, 70mM NaCl, 32mM NaOAc, 0.035% sodium azide, and 30% glycerol. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-JMJD2D/KDM4D antibody	WB (Western Blot), IP (Immunoprecipitation), DB (Dot Blot)
Antibody Type	Recombinant Antibody
Immunogen	This antibody was raised against recombinant full-length human KDM4D (Lysine (K)-Specific Demethylase 4D).
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



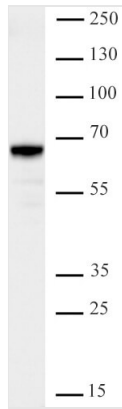
DB (Dot Blot)

AbFlex JMJD2D/KDM4D antibody tested by Dot blot. Recombinant KDM proteins were spotted onto nitrocellulose membrane (nanograms indicated on row labels) and probed with antibody at 1 ug/ml. Col. 1: KDM4A. Col. 2: KDM4B. Col. 3: KDM4C. Col. 4: KDM5A. Col. 5: KDM5B. Col. 6: KDM5C.



IP (Immunoprecipitation)

AbFlex JMJD2D/KDM4D antibody tested by Immunoprecipitation. 4 ug of AbFlex JMJD2D/KDM4 antibody (Lane1) or isotype control mouse IgG (Lane 2) was used to immunoprecipitate JMJD2D/KDM4D from 500 ug of HEK293 extract, which was then run on SDS-PAGE and probed with the same antibody at 2 u/ml. The appearance of antibody light chain at 25 kDa is observed as a cross-reactivity between the WB / IP antibody, and is common.



SDS-PAGE
 AbFlex JMJD2D/KDM4D antibody tested by Western blot. 20 ug of HEK293 nuclear extract* was run on SDS-PAGE and probed with antibody at 0.5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-JMJD2D/KDM4D 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 JMJD2D/KDM4D antibody (rAb) was raised in a Mouse host. It has been validated for use in Dot blot, 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 JMJD2D/KDM4D antibody was expressed in was expressed as full-length IgG with mouse immunoglobulin heavy and light chains (IgG2a isotype) in mammalian 293 cells. KDM4D (lysine (K)-specific demethylase 4D), also known as JMJD2D (Jumonji Domain Containing 2D) is a protein that functions as a histone demethylase that preferentially demethylates di- and trimethylated lysine 9 residues of histone H3, while it has no activity on monomethylated H3K9 residues.
Product Categories/Family for anti-JMJD2D/KDM4D antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	39653317
NCBI GeneID	55693
NCBI Accession #	NP_060509
NCBI GenBank Nucleotide #	NM_018039
UniProt Accession #	Q6B0I6; Q0VF39; Q9NT41; Q9NW76; B3KPC4
Molecular Weight	58,603 Da
NCBI Official Full Name	lysine-specific demethylase 4D
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 4D
NCBI Official Symbol	KDM4D
NCBI Official Synonym Symbols	JMJD2D
NCBI Protein Information	lysine-specific demethylase 4D; jmjC domain-containing histone demethylation protein 3D; jumonji domain containing 2D; jumonji domain-containing protein 2D

UniProt Protein Name	Lysine-specific demethylase 4D
UniProt Gene Name	KDM4D
UniProt Synonym Gene Names	JHDM3D; JMJD2D
UniProt Entry Name	KDM4D_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/mouse-human-antibody/jmjd2d-kdm4d/60304>