

Mouse anti-Human JMJD2A Antibody | anti-JMJD2A antibody

AbFlex JMJD2A antibody (rAb)

CATALOG # AAA60264	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
------------------------------	----------------------	----------------------------	--

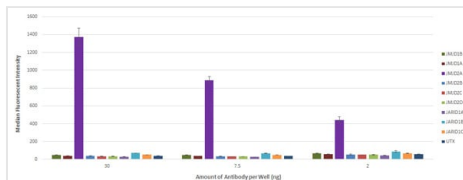
PRODUCT SYNONYMS

JMJD2A; AbFlex JMJD2A antibody (rAb); KDM4A; JMJD2; JHDM3A; TDRD14A; anti-JMJD2A antibody

PRODUCT SPECIFICATIONS

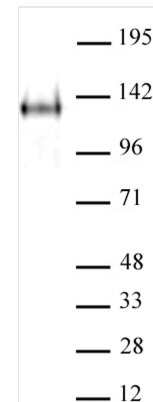
Host	Mouse
Reactivity	Human
Isotype	IgG2a
Purity/Purification	Protein A Chromatography
Form/Format	Purified IgG in 200mM Hepes pH7.5, 100mM NaCl, 50mM NaOAc, 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-JMJD2A antibody	WB (Western Blot), ELISA
Antibody Type	Recombinant Antibody
Immunogen	This JMJD2A antibody was raised against a recombinant protein corresponding to amino acids 586-674 of human JMJD2A.
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



Application Data

AbFlex JMJD2A antibody (rAb) tested by Luminex bead-based specificity analysis. Luminex bead-based specificity analysis was used to confirm the specificity of AbFlexTM JMJD2A antibody (rAb) for JMJD2A. Various proteins were conjugated to MagPlex Luminex beads and incubated with various amounts of AbFlexTM JMJD2A antibody (rAb). Protein-bound antibody was detected with anti-mouse IgG-Phycoerythrin and read in a Luminex instrument. Luminex is a registered trademark of Luminex Corporation.



WB (Western Blot)

AbFlex JMJD2A antibody (rAb) tested by Western blot. HeLa cell nuclear extract (20 ug) probed with AbFlex JMJD2A antibody (rAb) at a dilution of 2 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-JMJD2A 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 JMJD2A antibody (rAb) was raised in a Mouse host. It has been validated for use in ELISA 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 JMJD2A antibody was expressed as full-length IgG with mouse immunoglobulin heavy and light chains (IgG2a isotype) in mammalian 293 cells. JMJD2A (KDM4A, JHDM3A) is a member of the Jmj-containing (Jumonji) class of histone demethylase proteins that are involved in the regulation of genome function through the removal of methyl groups from histones. JMJD2A specifically demethylates histone H3 dimethyl lysine 9 (H3K9me2), trimethyl lysine 9, (H3K9me3), dimethyl lysine 36 (H3K36me2) and trimethyl lysine 36 (H3K36me3). It also participates in transcriptional repression of ASCL2 and E2F-responsive promoters via the recruitment of histone deacetylases and NCOR1. JMJD2A contains JmjC and JmjN domains, two PHD fingers and two tudor domains.
Product Categories/Family for anti-JMJD2A antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	98986459
NCBI GeneID	9682
NCBI Accession #	NP_055478 ; AB_2793788
NCBI GenBank Nucleotide #	NM_014663
UniProt Accession #	O75164 ; Q5VVB1
Molecular Weight	54,697 Da
NCBI Official Full Name	lysine-specific demethylase 4A
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 4A
NCBI Official Symbol	KDM4A
NCBI Official Synonym Symbols	JMJD2; JHDM3A; JMJD2A; TDRD14A
NCBI Protein Information	lysine-specific demethylase 4A; jmjC domain-containing histone demethylation protein 3A; jumonji C domain-containing histone demethylase 3A; jumonji domain containing 2; jumonji domain containing 2A; jumonji domain-containing protein 2A; tudor domain cont
UniProt Protein Name	Lysine-specific demethylase 4A
UniProt Gene Name	KDM4A
UniProt Synonym Gene Names	JHDM3A; JMJD2; JMJD2A; KIAA0677
UniProt Entry Name	KDM4A_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
Online datasheet: <https://stage.aaabiotech.com/mouse-human-antibody/jmjd2a/60264>