

Rabbit JMJD2A Polyclonal Antibody | anti-KDM4A antibody

JMJD2A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39371	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

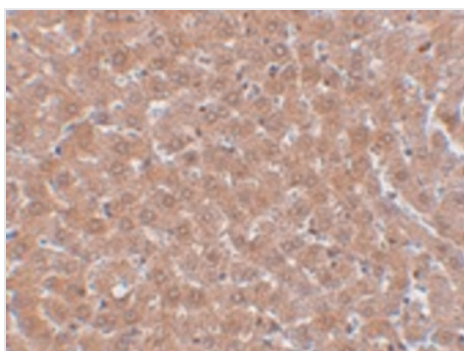
PRODUCT SYNONYMS

JMJD2A; Polyclonal Antibody; JMJD2A Antibody; JMJD2; JHDM3A; TDRD14A; KIAA0677; Lysine-specific demethylase 4A; JmjC domain-containing histone demethylation protein 3A; lysine (K)-specific demethylase 4A; anti-KDM4A antibody

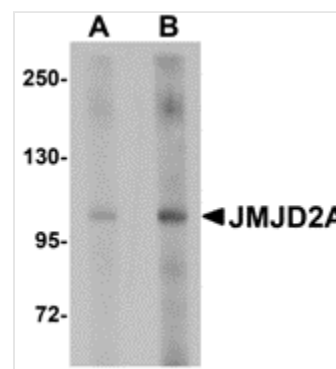
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	JMJD2A Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	481
Applicable Applications for anti-KDM4A antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	JMJD2A antibody was raised against a 14 amino acid synthetic peptide from near the center of human JMJD2A.
Buffer	JMJD2A Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	JMJD2A antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of JMJD2A in rat liver tissue with JMJD2A antibody at 5 &#956;g/mL.


WB (Western Blot)

Western blot analysis of JMJD2A in rat liver tissue lysate with JMJD2A antibody at (A) 1 and (B) 2 &#956;g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-KDM4A antibody	JMJD2A Antibody: Members of the Jumonji domain 2 (JMJD2) family contain a JmjN domain, a JmjC domain, a JD2H domain, two TUDOR domains, and two PHD-type zinc fingers. The first member of this group, JMJD2A, is widely expressed in human tissues and cell lines and functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form, and as a transcriptional repressor. JMJD2A can also form a complex with the androgen receptor (AR), a transcription factor that is pivotal for the development of prostate cancer. Overexpression of JMJD2A stimulates AR function and this stimulation is dependent on JMJD2A catalytic activity, suggesting that JMJD2A might be a critical protein with roles in cell proliferation and oncogenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55665236
NCBI GeneID	9682
UniProt Accession #	O75164; Q5VVB1
Molecular Weight	54,697 Da
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
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.