

Rabbit JMJD1A Polyclonal Antibody | anti-JMJD1A antibody

JMJD1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305251	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

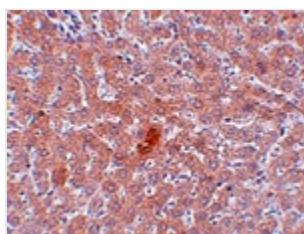
PRODUCT SYNONYMS

JMJD1A; Polyclonal Antibody; JMJD1A Antibody; Lysine-specific demethylase 3A; KDM3A; JHDM2A; JHMD2A; TSGA; anti-JMJD1A antibody

PRODUCT SPECIFICATIONS

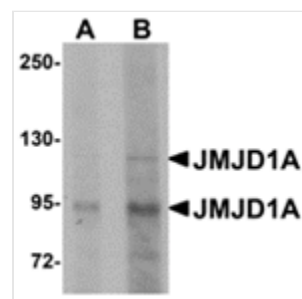
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	This antibody will not cross-react with JMJD1B or JMJD1C.
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	1321
Applicable Applications for anti-JMJD1A antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the amino terminus of human JMJD1A.
Target Name	JMJD1A
Preparation and Storage	Can be stored at -20 degree C, stable for 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 JMJD1A in rat liver tissue with JMJD1A antibody at 5 ug/mL.



WB (Western Blot)

Western blot analysis of JMJD1A in mouse liver tissue lysate with JMJD1A antibody at (A) 1 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-JMJD1A antibody	The jumonji domain containing 1A protein (JMJD1A) was originally discovered as a testes specific gene, but has been found to be expressed in numerous tissues. JMJD1A is a histone demethylase and specifically demethylates mono- and dimethyl-H3K9. It has also been found to be a novel interaction partner with ER71, a transcription factor expressed in the testes of adult mice and during embryogenesis. JMJD1A is also a downstream gene of STAT3, a protein that has been found to be important in the maintenance of mouse embryonic stem (mES) cells, and decreased JMJD1A expression correlated with the differentiation of cultured mES cells following the removal of the cytokine LIF. These findings suggest that JMJD1A might be a critical signaling molecule underlying the maintenance of pluripotency in embryonic stem cells. At least two isoforms of JMJD1A are known to exist.
Product Categories/Family for anti-JMJD1A antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	20357522
NCBI GeneID	55818
NCBI Accession #	NP_060903
NCBI GenBank Nucleotide #	NM_018433.5
Molecular Weight	147,341 Da
NCBI Official Full Name	lysine-specific demethylase 3A
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 3A
NCBI Official Symbol	KDM3A
NCBI Official Synonym Symbols	TSGA; JMJD1; JHDM2A; JHMD2A; JMJD1A
NCBI Protein Information	lysine-specific demethylase 3A
UniProt Protein Name	Lysine-specific demethylase 3A
UniProt Gene Name	KDM3A
UniProt Synonym Gene Names	JHDM2A; JMJD1; JMJD1A; KIAA0742; TSGA
UniProt Entry Name	KDM3A_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/polyclonal/jmjd1a-antibody-immunohistochemistry-western-blot-elisa/305251>