

Datasheet for ABIN6990704
anti-KDM3A antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	KDM3A
Binding Specificity:	AA 50-100, N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM3A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Anti-JMJD1A antibody was raised against a peptide corresponding to 16 amino acids near the amino terminus of human JMJD1A. The immunogen is located within amino acids 50-100 of JMJD1A.
Isotype:	IgG
Specificity:	This antibody will not cross-react with JMJD1B or JMJD1C.
Purification:	JMJD1A Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	KDM3A
Alternative Name:	JMJD1A (KDM3A Products)

Target Details

Background:	<p>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.</p>
Molecular Weight:	<p>Predicted: 147kD</p> <p>Observed: 147kD kDa</p>
Gene ID:	55818
NCBI Accession:	NP_060903
UniProt:	Q9Y4C1
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Nuclear Hormone Receptor Binding , Warburg Effect

Application Details

Application Notes:	<p>WB: 1-2 µg/mL, IHC: 5 µg/mL, IF: 20 µg/mL.</p> <p>Antibody validated: Western Blot in human samples, Immunohistochemistry in rat samples, Immunofluorescence in rat samples. All other applications and species not yet tested.</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	JMJD1A Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	JMJD1A antibody can be stored at 4°C for three months and -20°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.