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Datasheet for ABIN6991179  
**anti-KDM4A antibody (AA 340-390)**

### Overview

Quantity:	0.1 mg
Target:	KDM4A
Binding Specificity:	AA 340-390
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM4A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	JMJD2A antibody was raised against a 14 amino acid synthetic peptide from near the center of human JMJD2A. The immunogen is located within amino acids 340 - 390 of JMJD2A.
Isotype:	IgG
Purification:	JMJD2A Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	KDM4A
Alternative Name:	JMJD2A ( <a href="#">KDM4A Products</a> )
Background:	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

## Target Details

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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.

Gene ID: 9682

UniProt: [O75164](#)

Pathways: [Warburg Effect](#)

## Application Details

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Application Notes: JMJD2A antibody can be used for detection of JMJD2A by Western blot at 1 - 2  $\mu$ g/mL. Antibody can also be used for immunohistochemistry starting at 5  $\mu$ g/mL.

Antibody validated: Western Blot in rat samples and Immunohistochemistry in rat samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 mg/mL

Buffer: JMJD2A Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

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: JMJD2A 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.