

## JMJD2A Monoclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0801
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	50ul, 100ul
<b>Immunogen</b>	Purified recombinant fragment of human JMJD2A expressed in E. Coli.
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB, IHC-p, IF, ICC, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Lysine-specific demethylase 4A
<b>Synonyms</b>	KDM4A; JHDM3A; JMJD2; JMJD2A; KIAA0677; Lysine-specific demethylase 4A; JmjC domain-containing histone demethylation protein 3A; Jumonji domain-containing protein 2A

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

This gene is a member of the Jumonji domain 2 (JMJD2) family and encodes a protein containing a JmjN domain, a JmjC domain, a JD2H domain, two TUDOR domains, and two PHD-type zinc fingers. This nuclear protein functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form, and as a transcriptional repressor.

### Recommended Dilution

ELISA: 1:10000

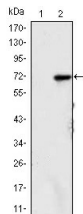
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

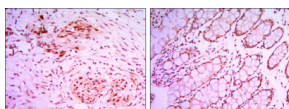
WB: 1:500 - 1:2000

Not yet tested in other applications.

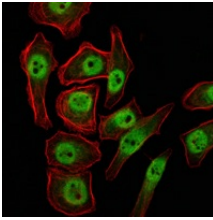
### Images



Western Blot analysis using JMJD2A Monoclonal antibody against HEK293 (1) and JMJD2A-hlgGfC transfected HEK293 (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded colon cancer tissues (left) and human larynx cancer tissues (right) with DAB staining using JMJD2A Monoclonal antibody.



Immunofluorescence analysis of NTERA-2 cells using JMJD2A Monoclonal antibody (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

### Storage

-20°C for one year

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