

## Mouse anti-Human JMJD2A Monoclonal Antibody | anti-JMJD2A antibody

Mouse monoclonal antibody Anti-Human JMJD2A

|                              |                      |                            |                                                      |
|------------------------------|----------------------|----------------------------|------------------------------------------------------|
| CATALOG #<br><b>AAA36457</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunocytochemistry, Dot Blot</b> |
|------------------------------|----------------------|----------------------------|------------------------------------------------------|

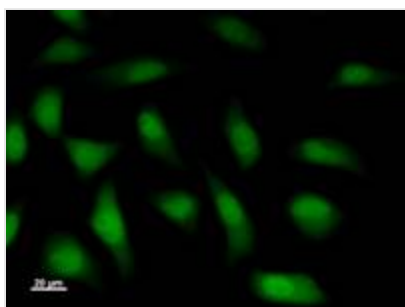
### PRODUCT SYNONYMS

JMJD2A; Monoclonal Antibody; Mouse monoclonal antibody Anti-Human JMJD2A; omo sapiens jumonji domain containing 2A; KIAA0677; JHDM3A; anti-JMJD2A antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                    |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                                              |
| Reactivity                                       | Human                                                                                                                                                                                              |
| Clonality                                        | Monoclonal                                                                                                                                                                                         |
| Isotype                                          | IgG2a                                                                                                                                                                                              |
| Clone Number                                     | 3559D5a                                                                                                                                                                                            |
| Concentration                                    | 100 ug/ml (1.0 ml) (varies by lot)                                                                                                                                                                 |
| Sequence Length                                  | 3454                                                                                                                                                                                               |
| Applicable Applications for anti-JMJD2A antibody | ICC (Immunocytochemistry), DB (Dot Blot)                                                                                                                                                           |
| Preparation                                      | This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum. |
| Sterility                                        | Filtered through a 0.22 um membrane.                                                                                                                                                               |

### IMAGES



#### ICC (Immunocytochemistry)

Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100 in PBS. The cells were immunostained with anti-JMJD2A mAb. [Lot No.3559D5a-1]



#### Quality Control #2

Arrow indicates the region of immunized recombinant protein carrying 50-200 amino acids.



#### Quality Control

Western blot analysis of immunized recombinant protein, using anti-JMJD2A monoclonal antibody.

## ADDITIONAL INFORMATION

### Related Product Information for anti-JMJD2A antibody

This gene is a member of the Jumonji domain 2 (JMJD2) family and encodes a protein with 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. [NCBI Entrez Gene Summary]

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 33876865                                                                                                                                                                                                                                                                  |
| NCBI GeneID                      | 9682                                                                                                                                                                                                                                                                      |
| Molecular Weight                 | 54,697 Da                                                                                                                                                                                                                                                                 |
| NCBI Official Full Name          | Homo sapiens jumonji domain containing 2A, mRNA                                                                                                                                                                                                                           |
| 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; jmjC domain-containing histone demethylation protein 3A; jumonji C domain-containing histone demethylase 3A; jumonji domain containing 2; jumonji domain containing 2A; jumonji domain-containing protein 2A; tudor domain containing 14A |
| UniProt Protein Name             | Lysine-specific demethylase 4A                                                                                                                                                                                                                                            |
| UniProt Gene Name                | <b>KDM4A</b>                                                                                                                                                                                                                                                              |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/monoclonal/jmjd2a-antibody-clone-3559d5a-immunocytochemistry-dot-blot-elisa/36457>