

# KDM4B / JMJD2B Antibody

Rabbit mAb

Catalog # AP92348

## Product Information

|                          |                                 |
|--------------------------|---------------------------------|
| <b>Application</b>       | WB, IHC, IF, FC, ICC, IHF       |
| <b>Primary Accession</b> | <a href="#">O94953</a>          |
| <b>Reactivity</b>        | Rat, Human, Mouse               |
| <b>Clonality</b>         | Monoclonal                      |
| <b>Other Names</b>       | JHDM3B; JMJD2B; Kdm4b; TDRD14B; |
| <b>Isotype</b>           | Rabbit IgG                      |
| <b>Host</b>              | Rabbit                          |
| <b>Calculated MW</b>     | 121897                          |

## Additional Information

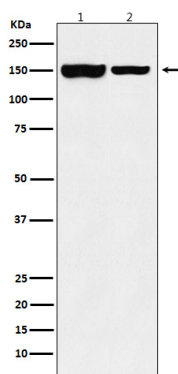
|                                     |  |
|-------------------------------------|--|
| <b>Dilution</b>                     | WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:200  |
| <b>Purification</b>                 | Affinity-chromatography  |
| <b>Immunogen</b>                    | A synthesized peptide derived from human KDM4B / JMJD2B  |
| <b>Description</b>                  | Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Only able to demethylate trimethylated H3 'Lys-9', with a weaker activity than KDM4A, KDM4C and KDM4D. Demethylation of Lys residue generates formaldehyde and succinate. |
| <b>Storage Condition and Buffer</b> | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.  |

## Protein Information

|                          |   |
|--------------------------|---|
| <b>Name</b>              | KDM4B   |
| <b>Synonyms</b>          | JHDM3B, JMJD2B, KIAA0876  |
| <b>Function</b>          | Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Only able to demethylate trimethylated H3 'Lys-9', with a weaker activity than KDM4A, KDM4C and KDM4D. Demethylation of Lys residue generates formaldehyde and succinate (PubMed: <a href="#">16603238</a> , PubMed: <a href="#">28262558</a> ). Plays a critical role in the development of the central nervous system (CNS). |
| <b>Cellular Location</b> | Nucleus {ECO:0000255 PROSITE-ProRule:PRU00537, ECO:0000269 PubMed:15927959}   |

## Images

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Western blot analysis of KDM4B / JMJD2B expression in (1) SW480 cell lysate; (2) Mouse testis cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.