

**KDM4B / JMJD2B Antibody**  
Rabbit mAb  
Catalog # AP92348

## Specification

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### KDM4B / JMJD2B Antibody - Product Information

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

### KDM4B / JMJD2B Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human KDM4B / JMJD2B
Description	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.
Storage Condition and Buffer	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.

### KDM4B / JMJD2B Antibody - Protein Information

**Name** KDM4B

**Synonyms** JHDM3B, JMJD2B, KIAA0876

#### Function

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="http://www.uniprot.org/citations/16603238" target="\_blank">16603238</a>, PubMed:<a href="http://www.uniprot.org/citations/28262558" target="\_blank">28262558</a>). Plays a critical role in the development of the central nervous system (CNS).

#### Cellular Location

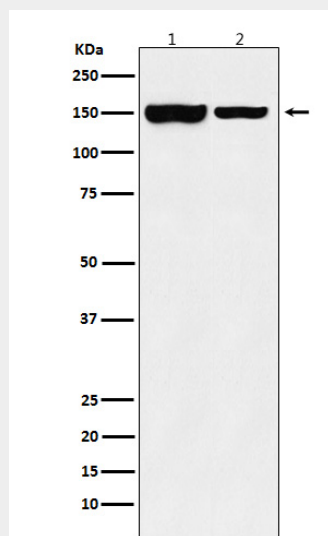
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00537, ECO:0000269|PubMed:15927959}

#### KDM4B / JMJD2B Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### KDM4B / JMJD2B Antibody - Images



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