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KDM4B / JMJD2B Antibody
Rabbit mAb
Catalog # AP92348

Specification

KDM4B / JMJD2B Antibody - Product Information

Application	**WB, IHC, FC, ICC**
Primary Accession	O94953
Reactivity	**Rat**
Clonality	**Monoclonal**
Other Names	
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

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

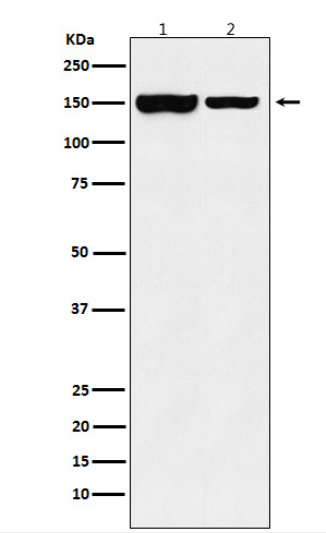
Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00537, ECO:0000269|PubMed:15927959}

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 Cytomety
- Cell Culture

KDM4B / JMJD2B Antibody - Images



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