

**KDM4A Rabbit mAb**  
Catalog # AP76785**Specification**

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**KDM4A Rabbit mAb - Product Information**

Application	WB
Primary Accession	<a href="#">O75164</a>
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	120662

**KDM4A Rabbit mAb - Additional Information****Gene ID** 9682**Other Names**  
KDM4A**Dilution**  
WB~~1/500-1/1000**Format**  
Liquid**KDM4A Rabbit mAb - Protein Information****Name** KDM4A**Synonyms** JHDM3A, JMJD2, JMJD2A, KIAA0677**Function**

Histone demethylase that specifically demethylates 'Lys-9' and 'Lys-36' residues of histone H3, thereby playing a central role in histone code (PubMed:<a href="http://www.uniprot.org/citations/26741168" target="\_blank">26741168</a>, PubMed:<a href="http://www.uniprot.org/citations/21768309" target="\_blank">21768309</a>). Does not demethylate histone H3 'Lys-4', H3 'Lys-27' nor H4 'Lys-20'. Demethylates trimethylated H3 'Lys-9' and H3 'Lys-36' residue, while it has no activity on mono- and dimethylated residues. Demethylation of Lys residue generates formaldehyde and succinate. Participates in transcriptional repression of ASCL2 and E2F-responsive promoters via the recruitment of histone deacetylases and NCOR1, respectively.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00537, ECO:0000269|PubMed:15927959, ECO:0000269|PubMed:16024779}

**Tissue Location**

Ubiquitous..

## KDM4A Rabbit mAb - 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](#)

## KDM4A Rabbit mAb - Images

