

## **KDM2A Rabbit mAb**

**Catalog # AP75429** 

## **Specification**

### KDM2A Rabbit mAb - Product Information

Application
Primary Accession
Host
Clonality
Calculated MW

WB, IHC-P, IHC-F, IP, ICC <u>09Y2K7</u> Rabbit Monoclonal Antibody 132793

## **KDM2A Rabbit mAb - Additional Information**

**Gene ID** 22992

Other Names KDM2A

Dilution
WB~~1/500-1/1000
IHC-P~~N/A
IHC-F~~N/A
IP~~N/A
ICC~~N/A

### **Format**

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

# Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

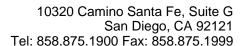
## **KDM2A Rabbit mAb - Protein Information**

## Name KDM2A

## **Function**

Histone demethylase that specifically demethylates 'Lys-36' of histone H3, thereby playing a central role in histone code. Preferentially demethylates dimethylated H3 'Lys-36' residue while it has weak or no activity for mono- and tri-methylated H3 'Lys-36'. May also recognize and bind to some phosphorylated proteins and promote their ubiquitination and degradation. Required to maintain the heterochromatic state. Associates with centromeres and represses transcription of small non-coding RNAs that are encoded by the clusters of satellite repeats at the centromere. Required to sustain centromeric integrity and genomic stability, particularly during mitosis. Regulates circadian gene expression by repressing the transcriptional activator activity of CLOCK-BMAL1 heterodimer and RORA in a catalytically- independent manner (PubMed:<a href="http://www.uniprot.org/citations/26037310">https://www.uniprot.org/citations/26037310">https://www.uniprot.org/citations/26037310">https://www.uniprot.org/citations/26037310">https://www.uniprot.org/citations/26037310">https://www.uniprot.org/citations/26037310">https://www.uniprot.org/citations/26037310</a>

# **Cellular Location**





Nucleus, nucleoplasm. Chromosome Note=Punctate expression throughout the nucleoplasm and enriched in the perinucleolar region (PubMed:19001877, PubMed:20417597). Specifically nucleates at CpG islands where it's presence results in chromatin depleted in H3K36me2 (PubMed:19001877, PubMed:20417597)

## **Tissue Location**

Widely expressed, with highest levels in brain, testis and ovary, followed by lung.

# **KDM2A Rabbit mAb - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# KDM2A Rabbit mAb - Images

