

## KDM1A (Phospho Ser131) Rabbit pAb

CatalogNo: YP1388

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA, IHC

#### MW

- 95kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-2000**

**IHC 1:50-300**

**ELISA 1:2000-20000**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized phospho peptide around human LSD1 (Ser131)

**Specificity** This antibody detects endogenous levels of Human LSD1 (phospho-Ser131)

### Target Information

**Gene name** KDM1A AOF2 KDM1 KIAA0601 LSD1

**Protein Name** LSD1 (Ser131)

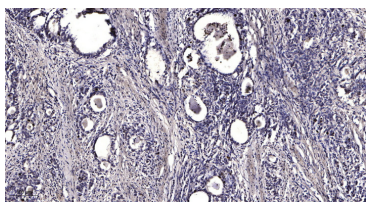
Organism	Gene ID	UniProt ID
Human	<a href="#">23028;</a>	<a href="#">O60341;</a>
Mouse	<a href="#">99982;</a>	<a href="#">Q6ZQ88;</a>

**Cellular Localization** Nucleus .

**Tissue specificity** Ubiquitously expressed.

**Function** cofactor:FAD. ,Domain:The SWIRM domain may act as an anchor site for a histone tail. ,Function:Histone demethylase that demethylates 'Lys-4' of histone H3 , a specific tag for epigenetic transcriptional activation , thereby acting as a corepressor. Acts by oxidizing the substrate by FAD to generate the corresponding imine that is subsequently hydrolyzed. Demethylates both mono- and di-methylated 'Lys-4' of histone H3. May play a role in the repression of neuronal genes. Alone , it is unable to demethylate H3 'Lys-4' on nucleosomes and requires the presence of RCOR1/CoREST to achieve such activity. May also demethylate 'Lys-9' of histone H3 , a specific tag for epigenetic transcriptional repression , thereby leading to derepression of androgen receptor target genes. Demethylates di-methylated 'Lys-370' of p53/TP53 which prevents interaction of p53/TP53 with TP53BP1 and represses p53/TP53-mediated transcriptional activation. Demethylates and stabilizes the DNA methylase DNMT1. Required for gastrulation during embryogenesis. ,similarity:Belongs to the flavin monoamine oxidase family. ,similarity:Contains 1 SWIRM domain. ,subunit:Component of a BHC histone deacetylase complex that contains HDAC1 , HDAC2 , HMG20B/BRAF35 , KDM1 , RCOR1/CoREST and PHF21A/BHC80. The BHC complex may also contain ZMYM2 , ZNF217 , ZMYM3 , GSE1 and GTF2I. In the complex , RCOR1/CoREST strongly enhances the demethylase activity and protects it from the proteasome while PHF21A/BHC80 inhibits the demethylase activity. Interacts with the androgen receptor (AR) . ,tissue specificity:Ubiquitously expressed. ,

## Validation Data



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min).

## Contact information

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