

**Product Name: KDM1A Rabbit Monoclonal antibody**  
**Catalog #: AMRe02190**



## Summary

<b>Production Name</b>	KDM1A Rabbit Monoclonal antibody
<b>Description</b>	Recombinant Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB, ICC/IF, IP
<b>Reactivity</b>	Human, Hamster, Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	KDM1A KDM1A; AOF2; KDM1; KIAA0601; LSD1; Lysine-specific histone demethylase 1A;
<b>Alternative Names</b>	BRAF35-HDAC complex protein BHC110; Flavin-containing amine oxidase domain-containing protein 2
<b>Gene ID</b>	23028
<b>SwissProt ID</b>	O60341.

## Application

<b>Dilution Ratio</b>	WB: 1:500-1:1000 IF: 1:50-1:200 IP: 1:20
<b>Molecular Weight</b>	Calculated MW: 93 kDa; Observed MW: 110 kDa

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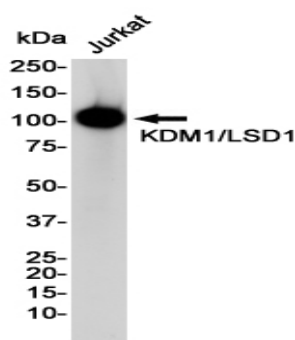
## Background

Histone demethylase that demethylates both 'Lys-4' (H3K4me) and 'Lys-9' (H3K9me) of histone H3, thereby acting as a coactivator or a corepressor, depending on the context. Acts by oxidizing the substrate by FAD to generate the corresponding imine that is subsequently hydrolyzed. Acts as a corepressor by mediating demethylation of H3K4me, a specific tag for epigenetic transcriptional activation. Demethylates both mono- (H3K4me1) and di-methylated (H3K4me2) H3K4me. May play a role in the repression of neuronal genes.

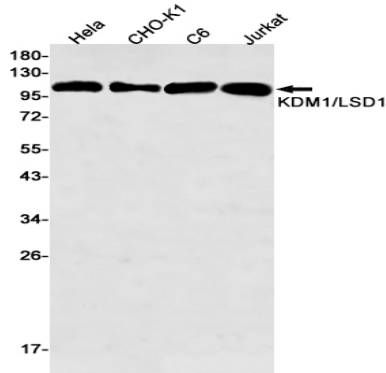
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



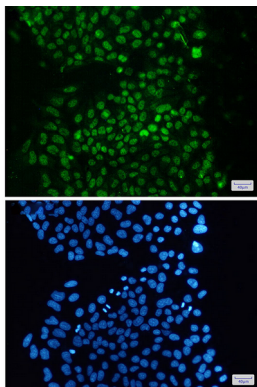
Western blot analysis of KDM1/LSD1 in Jurkat lysates using KDM1A antibody.



Western blot analysis of KDM1/LSD1 in HeLa, CHO-K1, C6, Jurkat lysates using KDM1/LSD1 antibody.

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Immunocytochemistry analysis of KDM1/LSD1(green) in HeLa using KDM1/LSD1 antibody, and DAPI(blue)

### **Note**

For research use only.