



## Anti-Lysine-specific histone demethylase 1A Antibody

**Alternative Names:** KDM1A, Lysine-specific histone demethylase 1A, lysine (K)-specific demethylase 1A, LSD1, Lysine-specific demethylase 1A

**Catalogue Number:** AA17-10033-100ug

**Size:** 100 µg

### Background Information

Lysine-specific histone demethylase 1A (LSD1/KDM1A) regulates histone methylation and influences the epigenetic state of cells during the generation of induced pluripotent stem cells. It is a nuclear protein containing a SWIRM domain, a FAD-binding motif, and an amine oxidase domain. It is a demethylase that acts on both Lys 4 and 9 of histone H3 (H3K4 and H3K9) and it is component of several histone deacetylase complexes. LSD1 has near ubiquitous expression and it may have roles critical in embryogenesis and tissue-specific differentiation, as well as oocyte growth and the repression of neuronal genes.

### Product Information

<b>Antibody Type:</b>	Polyclonal	<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG	<b>Species Reactivity:</b>	Human, Mouse
<b>Immunogen:</b>	Partial length recombinant human LSD1 from the N-terminal region of the protein		
<b>Format:</b>	100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide.		
<b>Storage Conditions:</b>	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
<b>Applications:</b>	WB WB: 2-4 µg/ml		

### Additional Information

<b>Subcellular location:</b>	Nucleus	<b>MW:</b>	93kDa (Intended as a general guide and does not allow for all isoforms and species variations)
<b>Gene ID</b>	23028	<b>Uniprot ID:</b>	O60341