# Anti-LSD1 Antibody

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

**Catalogue Number:** AA17-10033

**Size:** 100ug

## Background Information

Lysine-specific demethylase 1 (LSD1) 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

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| **Antibody Type:** | Polyclonal | **Host:** | Rabbit |
| **Isotype:** | IgG | **Species Reactivity:** | Human |
| **Immunogen:** | Partial length recombinant LSD1 protein (aa 97-328) | | |
| **Format:** | 100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Protein A Purified. | | |
| **Storage Conditions:** | 6 months: 4˚C. Long-term storage: -20˚C. Avoid multiple freeze and thaw cycles. | | |
| **Applications:** | WB | | |