Lysine Specific Demethylase 1 (LSD1) knockout mouse

Catalogue number: 158387
Sub-type:
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Lysine Specific Demethylase 1 (LSD1) knockout mouse

Alternate name: LSD1, KDM1A, AOF2, KDM1, KIAA61, LSD1

Class:
Conjugate:
Description: Lysine-specific demethylase 1 (LSD1) acts as a coactivator or a corepressor of transcription, depending on the context, of histone H3 through demethylation of both 'Lys-4' (H3K4me) and 'Lys-9' (H3K9me). It demethylates mono- and dimethylated histone H3 as part of a larger complex. It essential for embryonic development in the mouse beyond embryonic day 6.5. Using this mouse model it was found that LSD1 regulates the expression and appropriate timing of key developmental regulators, as part of the LSD1/CoREST/HDAC complex, during early embryonic development.
Purpose:
Parental cell:
Organism:
Tissue:
Model: Knock-Out
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:

gene-trap
Production details: Embryos at the desired developmental stage were produced from timed Lsd1+/Ä?Â???Â?-geo ??Â???Â? Lsd1+/Ä?Â???Â?-geo matings
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Lysine-Specific Demethylase 1

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format: Frozen
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Dry ice

Related tools

Related tools:

References

References: ANALYSIS OF THE PHYSIOLOGICAL ROLE OF HISTONE DEACETYLASE 3 (HDAC3) AND ITS REGULATION BY INOSITOL PHOSPHATES ; Simandi et al. 2016. Mol Cell. 63(4):647-661. PMID: 27499297.