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Datasheet for 200-401-W52

LSD1 Antibody

Overview

Description:	Anti-LSD1 (RABBIT) Antibody - 200-401-W52
Item No.:	200-401-W52
Size:	50 µg
Applications:	ChIP, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	LSD1 (lysine specific demethylase 1) is a component of the histone demethylase complex that uses FAD as a prosthetic group. LSD1 may have a dual effect on gene transcription. As it demethylates the mono- and dimethylated 'Lys-4' of histone H3, which are associated with transcriptional activation, LSD1 can act as a repressor of gene expression. However, LSD1 is also capable of demethylating 'Lys-9' of histone H3, a specific tag for epigenetic transcriptional repression, thereby leading to activation of androgen receptor target genes. LSD1 therefore is ideal for research in different processes such as Stem and Cancer Cell Biology, Embryonic Development, Epigenetics and Cell Differentiation and Proliferation.
Synonyms:	Lysine-specific histone demethylase 1A, BRAF35-HDAC complex protein BHC110, Flavin-containing amine oxidase domain-containing protein 2, AOF2, KDM1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KDM1A
Reactivity:	Human
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-LSD1 Antibody was produced in rabbits by repeated immunizations with a full length recombinant protein of human LSD1.

Purity/Specificity:	Anti-LSD1 Antibody was purified by Protein G chromatography. Cross reactivity with other species was not tested.
Relevant Links:	• UniProtKB - O60341 • GeneID - 23028 • NCBI - NP_001009999.1

Application Details

Tested Applications:	ChIP, WB
Application Note:	Anti-LSD1 Antibody is tested for Chromatin Immunoprecipitation and Western Blots. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 110 kDa in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ChIP:	3 µg per IP
WB:	1:1,000

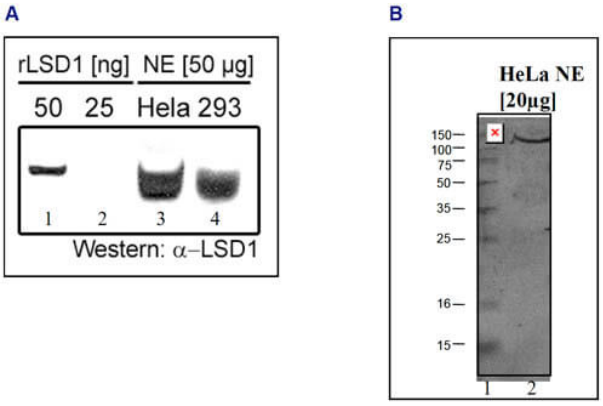
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	2.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide and 0.05% ProClin 300
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot results of Rabbit anti-LSD1 antibody. Lane 1: HeLa nuclear extracts cells. Load: 20 µg per lane. Primary antibody: LSD1 antibody at 1:1000 for overnight at 4°C. Secondary antibody: anti-rabbit HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO/TBS-Tween.

Disclaimer

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