

Datasheet for ABIN6655416
anti-LSD1 antibody



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Overview

Quantity:	50 µg
Target:	LSD1 (KDM1A)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LSD1 antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)

Product Details

Purpose:	LSD1 Antibody
Immunogen:	Anti-LSD1 Antibody was produced in rabbits by repeated immunizations with a full length recombinant protein of human LSD1.
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity with other species was not tested.
Purification:	Anti-LSD1 Antibody was purified by Protein G chromatography.
Sterility:	Sterile filtered

Target Details

Target:	LSD1 (KDM1A)
Alternative Name:	LSD1 (KDM1A Products)

Target Details

Background:	Synonyms: Lysine-specific histone demethylase 1A, BRAF35-HDAC complex protein BHC110, Flavin-containing amine oxidase domain-containing protein 2, AOF2, KDM1 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. Gene Name: KDM1A
Gene ID:	23028
NCBI Accession:	NP_001009999
UniProt:	O60341
Pathways:	Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Negative Regulation of intrinsic apoptotic Signaling , Warburg Effect

Application Details

Application Notes:	ChIP_Dilution: 3 µg per IP Western_Blot_Dilution: 1:1,000
Comment:	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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.05 % (w/v) Sodium Azide and 0.05 % ProClin 300
Preservative:	ProClin, Sodium azide
Precaution of Use:	This product contains Sodium azide and ProClin: POISONOUS AND HAZARDOUS SUBSTANCES

Handling

which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: 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.

Expiry Date: 12 months