Datasheet for ABIN6990619

anti-LSD1 antibody (N-Term)

Go to Product page

Overview

Quantity:	0.1 mg
Target:	LSD1 (KDM1A)
Binding Specificity:	AA 40-90, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LSD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Anti-LSD1 antibody was raised against a peptide corresponding to 17 amino acids near the amino terminus of human LSD1. The immunogen is located within amino acids 40-90 of LSD1.
Isotype:	IgG
Purification:	LSD1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	LSD1 (KDM1A)
Alternative Name:	LSD1 (KDM1A Products)
Background:	LSD1 Antibody: Histone modifications mediate changes in gene expression by altering chromatin structure or by serving as a platform to recruit other proteins. LSD1 is a recently

Target Details

	discovered amine oxidase that catalyzes the lysine-specific demethylation of histone proteins via an FAD-dependent oxidative reaction. Methylation on histone H3-K9 is thought to play an important role in heterochromatin formation, while methylation on arginine and some lysine residues (such as H3-K4) is associated with active transcription. LSD1 associates with various proteins, including HDAC1/2, CoREST, and BHC80, that act to regulate LSD1 activity in vivo, and in a histone H3-K4-specific methylase complex that is involved in transcriptional regulation. Experiments have shown that CoREST, a SANT domain-containing corepressor acts to enhance LSD1 activity, while BHC80, a PHD domain-containing protein, inhibits CoREST/LSD1 activity in vitro. LSD1-mediated histone demethylation thus may have significant effects on gene expression.
Molecular Weight:	Predicted: 93kD Observed: 110 kD kDa
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:	WB: 0.2 - 2 µ,g/mL, IHC-P: 2 µ,g/mL, IF: 20 µ,g/mL. Antibody validated: Western Blot in human, mouse and rat samples, Immunohistochemistry and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	LSD1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	LSD1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.