

Rabbit LSD1 Polyclonal Antibody | anti-KDM1 antibody

LSD1 Antibody

CATALOG # AAA39461	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, ELISA
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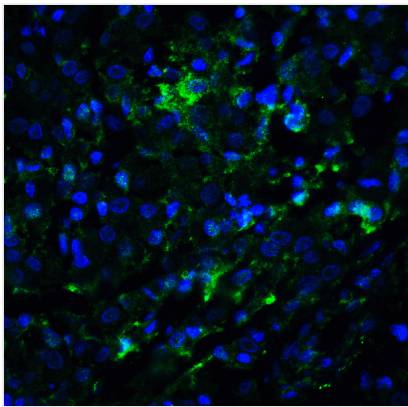
PRODUCT SYNONYMS

LSD1; Polyclonal Antibody; LSD1 Antibody; AOF2; KDM1; BHC110; KIAA0601; Lysine-specific histone demethylase 1A; BRAF35-HDAC complex protein BHC110; lysine (K)-specific demethylase 1; anti-KDM1 antibody

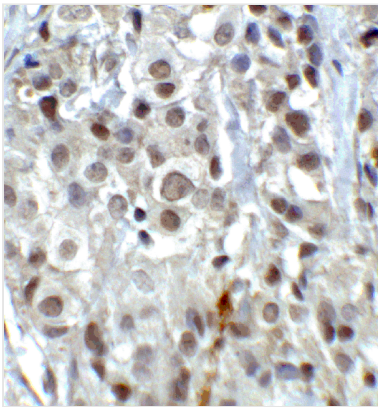
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	LSD1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	876
Applicable Applications for anti-KDM1 antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	LSD1 antibody was raised against a 17 amino acid synthetic peptide from near the amino terminus of human LSD1.
Buffer	LSD1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	LSD1 antibody can be stored at 4 degree C for three months and -20 degree 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.

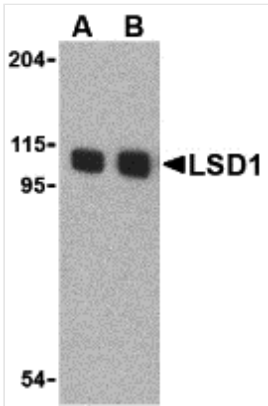
IMAGES



IF (Immunofluorescence)
Immunofluorescence of LSD1 in human breast carcinoma tissue with LSD1 antibody at 20 μg/ml. Green: LSD1 Antibody (3761) Blue: DAPI staining



IHC (Immunohistochemistry)
Immunohistochemistry of LSD1 in human breast carcinoma tissue with LSD1 antibody at 2 μg/ml.



WB (Western Blot)
Western blot analysis of LSD1 in P815 cell lysate with LSD1 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-KDM1 antibody

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 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	58761544
NCBI GeneID	23028
NCBI Accession #	NP_001009999
NCBI GenBank Nucleotide #	NM_001009999.2
UniProt Accession #	O60341; Q5TH94; Q5TH95; Q86VT7; Q8IXK4; Q8NDP6; Q8TAZ3; Q96AW4; A8MWP9
Molecular Weight	95,155 Da

NCBI Official Full Name	lysine-specific histone demethylase 1A isoform a
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 1A
NCBI Official Symbol	KDM1A
NCBI Official Synonym Symbols	AOF2; KDM1; LSD1; BHC110
NCBI Protein Information	lysine-specific histone demethylase 1A; lysine (K)-specific demethylase 1; BRAF35-HDAC complex protein BHC110; amine oxidase (flavin containing) domain 2; FAD-binding protein BRAF35-HDAC complex, 110 kDa subunit; flavin-containing amine oxidase domain-containing protein 2
UniProt Protein Name	Lysine-specific histone demethylase 1A
UniProt Gene Name	KDM1A
UniProt Synonym Gene Names	AOF2; KDM1; KIAA0601; LSD1
UniProt Entry Name	KDM1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lsd1-antibody-western-blot-elisa/39461>