



LSD1 Monoclonal Antibody

Catalog No	BYab-17505
Isotype	IgG
Reactivity	Human;Mouse;Bovine;Dog;Pig
Applications	WB;IHC;IF
Gene Name	KDM1A
Protein Name	Lysine-specific histone demethylase 1A
Immunogen	Purified recombinant human LSD1 (N-terminus) protein fragments expressed in E.coli.
Specificity	LSD1 Monoclonal Antibody detects endogenous levels of LSD1 protein.
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/1000 - 1/2000. Immunohistochemistry: 1/500 - 1/1000. Immunofluorescence: 1/100 - 1/500. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KDM1A; AOF2; KDM1; KIAA0601; LSD1; Lysine-specific histone demethylase 1A; BRAF35-HDAC complex protein BHC110; Flavin-containing amine oxidase domain-containing protein 2
Observed Band	
Cell Pathway	Nucleus .
Tissue Specificity	Ubiquitously expressed.
Function	cofactor:FAD.,domain:The SWIRN domain may act as an anchor site for a histone tail.,function:Histone demethylase that demethylates 'Lys-4' of histone H3, a specific tag for epigenetic transcriptional activation, thereby acting as a corepressor. Acts by oxidizing the substrate by FAD to generate the corresponding imine that is subsequently hydrolyzed. Demethylates both mono- and di-methylated 'Lys-4' of histone H3. May play a role in the repression of neuronal genes. Alone, it is unable to demethylate H3 'Lys-4' on nucleosomes and requires the presence of RCOR1/CoREST to achieve such activity. May also demethylate 'Lys-9' of histone H3, a specific tag for epigenetic transcriptional

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	repression, thereby leading to derepression of androgen receptor target genes. Demethylates di-methylated 'Lys-370' of p53/TP53 which prevents interaction of p53/TP53 with TP53BP1 and represses p53/TP53-mediate
Background	This gene encodes a nuclear protein containing a SWIRM domain, a FAD-binding motif, and an amine oxidase domain. This protein is a component of several histone deacetylase complexes, though it silences genes by functioning as a histone demethylase. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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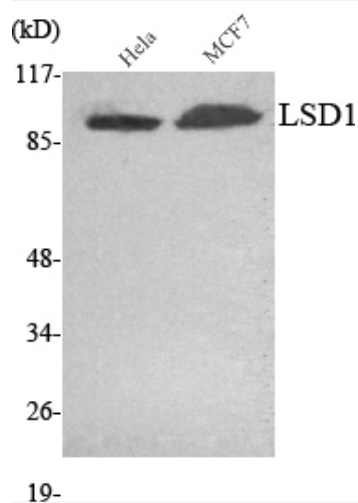
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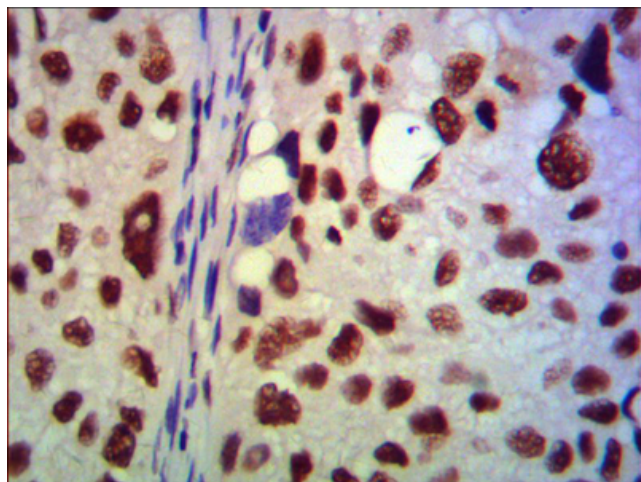
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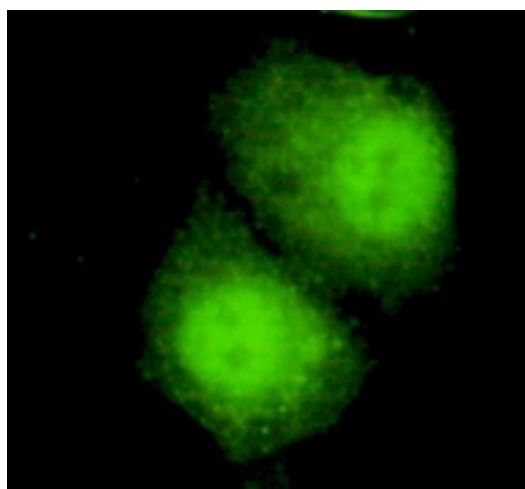
Products Images



Western Blot analysis using LSD1 Monoclonal Antibody against HeLa, MCF7 cell lysate.



Immunohistochemistry analysis of paraffin-embedded human lung cancer using LSD1 Monoclonal Antibody.



Immunofluorescence analysis of HeLa cells using LSD1 Monoclonal Antibody.

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