



LSD1 (phospho-Ser131) mouse mAb

Catalog No	BYmab-01457
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	KDM1A AOF2 KDM1 KIAA0601 LSD1
Protein Name	LSD1 (Ser131)
Immunogen	Synthesized phosho peptide around human LSD1 (Ser131)
Specificity	This antibody detects endogenous levels of Human LSD1 (phospho-Ser131)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Lysine-specific histone demethylase 1A (EC 1.-.-) (BRAF35-HDAC complex protein BHC110) (Flavin-containing amine oxidase domain-containing protein 2)
Observed Band	95kD
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 repression, thereby leading to derepression of androgen receptor target genes. Demethylates di-methylated 'Lys-370' of p53/TP53 which prevents interaction of

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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.

Products Images

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