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Rabbit Anti-LSD2 / AOF1 antibody

SL7415R

Product Name:	LSD2 / AOF1
Chinese Name:	赖氨酸特异性脱甲基酶2抗体
Alias:	LSD2 / AOF1; KDM1B; amine oxidase (flavin containing) domain 1; amine oxidase, flavin containing 1; AOF1; bA204B7.3; C6orf193; dJ298J15.2; Flavin-containing amine oxidase domain-containing protein 1; FLJ33898; FLJ34109; FLJ43328; KDM1B; KDM1B_HUMAN; LSD2; lysine (K)-specific demethylase 1B; Lysine-specific demethylase 2; Lysine-specific histone demethylase 1B; Lysine-specific histone demethylase 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	92kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LSD2 / AOF1:51-150/822
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Flavin-dependent histone demethylases, such as KDM1B, regulate histone lysine

methylation, an epigenetic mark that regulates gene expression and chromatin function (Karytinos et al., 2009 [PubMed 19407342]).[supplied by OMIM, Oct 2009]

Function:
Histone demethylase that demethylates 'Lys-4' of histone H3, a specific tag for epigenetic transcriptional activation, thereby acting as a corepressor. Required for de novo DNA methylation of a subset of imprinted genes during oogenesis. 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. Has no effect on tri-methylated 'Lys-4', mono-, di- or tri-methylated 'Lys-9', mono-, di- or tri-methylated 'Lys-27', mono-, di- or tri-methylated 'Lys-36' of histone H3, or on mono-, di- or tri-methylated 'Lys-20' of histone H4.

Subunit:
Does not form a complex with RCOR1/CoREST (By similarity).

Subcellular Location:
Nucleus.

Similarity:
Belongs to the flavin monoamine oxidase family.
Contains 1 CW-type zinc finger.
Contains 1 SWIRM domain.

SWISS:
Q8NB78

Gene ID:
221656

Database links:

Entrez Gene: 221656 Human

Omim: 613081 Human

SwissProt: Q8NB78 Human

Unigene: 709336 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.