

## 赖氨酸特异性脱甲基酶 2 抗体

产品货号： mIR7415

英文名称： LSD2 / AOF1

中文名称： 赖氨酸特异性脱甲基酶 2 抗体

别 名： 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.

产品类型： 甲基化抗体

研究领域： 细胞生物 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 92kDa

细胞定位： 细胞核

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human LSD2 / AOF1:51-150/822

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : 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

产品介绍 : 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

**Important Note:**

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