

LSD1 (Phospho Ser131) rabbit pAb

Catalog No :	YP1388
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA;IHC
Target :	LSD1
Fields :	>>Thermogenesis
Gene Name :	KDM1A AOF2 KDM1 KIAA0601 LSD1
Protein Name :	LSD1 (Ser131)
Human Gene Id :	23028
Human Swiss Prot No :	O60341
Mouse Gene Id :	99982
Mouse Swiss Prot No :	Q6ZQ88
Immunogen :	Synthesized phospho 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 :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 95kD

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],

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 p53/TP53 with TP53BP1 and represses p53/TP53-mediate

Subcellular Location : Nucleus .

Expression : Ubiquitously expressed.

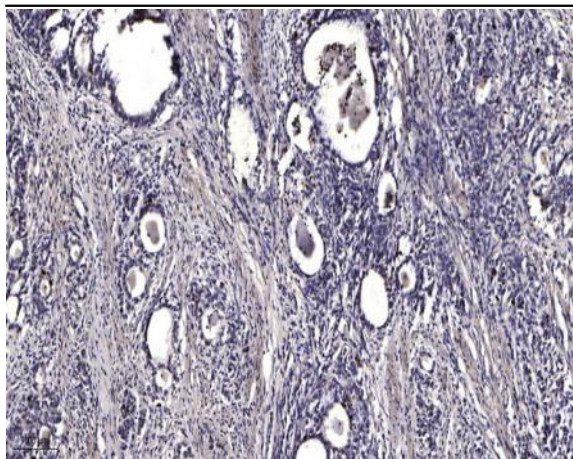
Sort : 9264

No4 : 1

Host : Rabbit

Modifications : Phospho

Products Images



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).