

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-KDM1



Numéro de catalogue: 20813-1-AP

Phare

7 Publications

Informations de base

Numéro de catalogue:

20813-1-AP

Taille:

150ul, Concentration: 450 µg/ml by Nanodrop and 353 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG14778

Numéro d'acquisition GenBank:

BC040194

Identification du gène (NCBI):

23028

Nom complet:

lysine (K)-specific demethylase 1

MW calculé

876 aa, 95 kDa

MW observés:

110 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:4000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

Applications

Applications testées:

FC, IHC, IP, WB, ELISA

Demandes citées:

WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) A défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HEK-293T, cellules HEK-293, cellules HeLa, cellules HT-1080, cellules Jurkat, cellules MCF-7, cellules NIH/3T3, cellules PC-3

IP : cellules HeLa,

IHC : tissu de cancer du poumon humain,

Informations générales

Lysine specific demethylase 1 (LSD1/BHC110/KIAA0601/p110b/AOF2/KDM1) is an amine oxidase that catalyzes histone demethylation via a flavin adenine dinucleotide (FAD)-dependent oxidative reaction (PMID:19703393). This protein belongs to the flavin monoamine oxidase family. Its structure and function is conserved from yeast to human and it is typically associated to CoREST, a corepressor protein, and histone deacetylases HDAC1 and HDAC2. Human LSD1 consists of 852 amino acids and comprises an N-terminal SWIRM domain, involved in protein interactions, and a C-terminal amine oxidase domain, which contains an insertion that forms the CoREST interacting site (the so-called tower domain) (PMID:20164337). It has 2 isoforms produced by alternative splicing with the calculated molecular mass of 93-95 kDa and apparent molecular mass of 110 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Miao Zhang	36175800	Int J Legal Med	WB
Buqing Ye	32449550	EMBO J	WB
Linyu Yan	34180153	Adv Sci (Weinh)	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

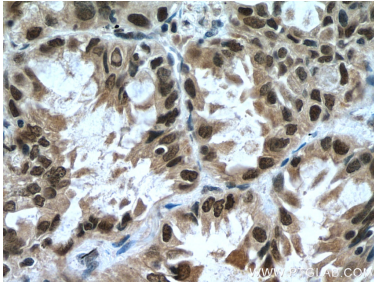
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

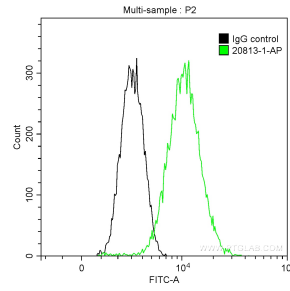
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

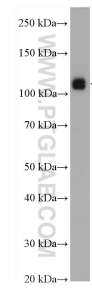
Données de validation sélectionnées



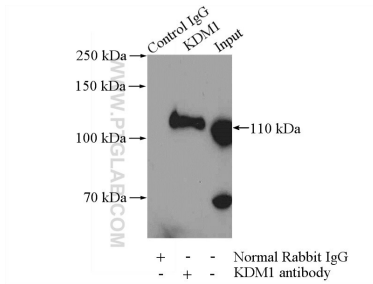
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 20813-1-AP (KDM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug Anti-Human KDM1 (20813-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.



HEK-293T cells were subjected to SDS PAGE followed by western blot with 20813-1-AP (KDM1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP Result of anti-KDM1 (IP:20813-1-AP, 4ug; Detection:20813-1-AP 1:600) with HeLa cells lysate 2000ug.