

KDM1 Monoclonal antibody

Catalog Number: 65020-1-Ig

Basic Information

Catalog Number:

65020-1-Ig

Size:

150ul , Concentration: 667 µg/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

BC016639

GeneID (NCBI):

23028

UNIPROT ID:

O60341

Full Name:

lysine (K)-specific demethylase 1

Calculated MW:

93 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : Hela cells,

Background Information

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.

Storage

Storage:

Store at 2-8°C.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

***** 20ul sizes contain 0.1% BSA**

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

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