Product Name: KD-Validated Lysine Demethylase 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAb01430

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 92.9kDa

Antigen Information

Gene Name	KDM1A
Alternative Names	KDM1A; Lysine Demethylase 1; LSD; Lysine-Specific Histone Demethylase 1A; KIAA0601; BHC110; AOF2; KDM1; [Histone H3]-Dimethyl-L-Lysine(4) FAD-Dependent Demethylase 1A; Flavin-Containing Amine Oxidase Domain-Containing Protein 2; Amine Oxidase (Flavin Containing) Domain 2; BRAF35-HDAC Complex Protein BHC110; FAD-Binding Protein BRAF35-HDAC Complex, 110 KDa Subunit; Lysine-Specific Histone Demethylase 1; Lysine (K)-Specific Demethylase 1A; Lysine (K)-Specific Demethylase 1; EC 1.14.99.66; CPRF
Gene ID	23028.0
SwissProt ID	O60341
Immunogen	A synthesized peptide derived from human KDM1 / LSD1

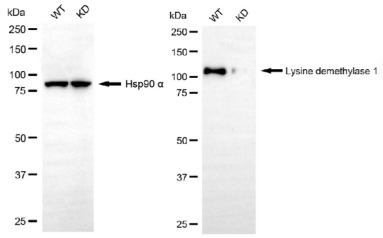
Background

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]

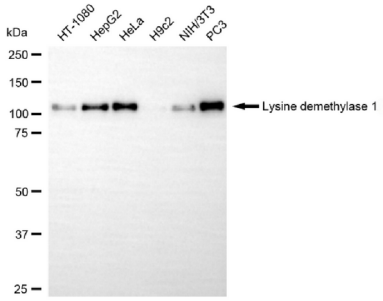
Research Area

Epigenetics and Nuclear Signaling,Neuroscience

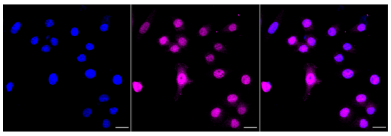
Image Data



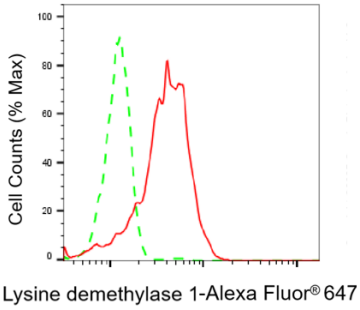
Western blotting analysis using lysine demethylase 1 antibody (KVAb01430). Lysine demethylase 1A expression in wild-type (WT) and lysine demethylase 1 (KDM1A) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with lysine demethylase 1 antibody (KVAb01430, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using lysine demethylase 1 antibody (KVAb01430). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with lysine demethylase 1 antibody (KVAb01430, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Lysine demethylase 1 antibody (KVAb01430, 1:1,000). Nuclei were stained blue with DAPI; Lysine demethylase 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



Flow cytometric analysis of Lysine demethylase 1 expression in HepG2 cells using Lysine demethylase 1 antibody (KVAb01430, 1:2,000). Green, isotype control; red, Lysine demethylase 1.