

Product Name: KDM1A (1E5) Mouse Monoclonal Antibody
Catalog #: AMM03855

Summary

Production Name	KDM1A (1E5) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB,ICC/IF,IP
Reactivity	Human,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	KDM1A KDM1A; AOF2; KDM1; KIAA0601; LSD1; Lysine-specific histone demethylase 1A;
Alternative Names	BRAF35-HDAC complex protein BHC110; Flavin-containing amine oxidase domain-containing protein 2
Gene ID	23028
SwissProt ID	O60341

Application

Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20
Molecular Weight	Calculated MW: 93 kDa; Observed MW: 110 kDa

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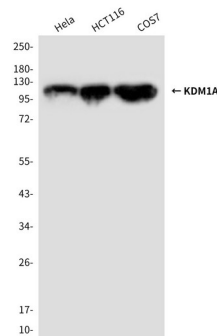
Background

Histone demethylase that demethylates both 'Lys-4' (H3K4me) and 'Lys-9' (H3K9me) of histone H3, thereby acting as a coactivator or a corepressor, depending on the context. Acts by oxidizing the substrate by FAD to generate the corresponding imine that is subsequently hydrolyzed. Acts as a corepressor by mediating demethylation of H3K4me, a specific tag for epigenetic transcriptional activation. Demethylates both mono- (H3K4me1) and di-methylated (H3K4me2) H3K4me. May play a role in the repression of neuronal genes.

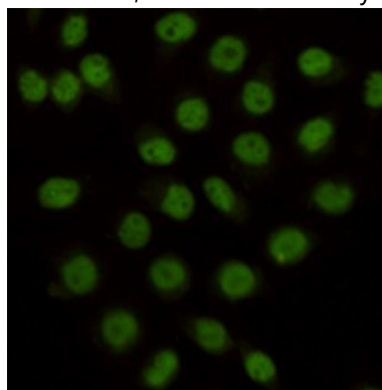
Research Area

Epigenetics and Nuclear Signaling

Image Data

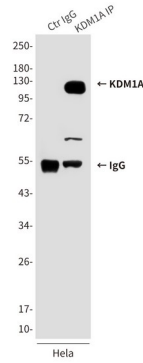


Western blot analysis of KDM1/LSD1 in HeLa, HCT116 and COS7 lysates using KDM1/LSD1 antibody.



Immunocytochemistry analysis of KDM1A (1E5) in HeLa using KDM1/LSD1 antibody.

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Immunoprecipitation analysis of KDM1A (1E5) in HeLa lysates using KDM1/LSD1 antibody.

Note

For research use only.