

KDM1A monoclonal antibody

Catalog: MB11143

Host: Rabbit

Reactivity: Human, Hamster, Rat

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.

Product:

50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

Molecular Weight:

Calculated MW: 93 kDa; Observed MW: 110 kDa

Swiss-Prot:

O60341

Purification&Purity:

Affinity Purified

Applications:

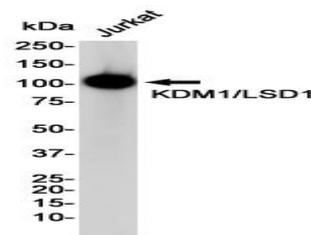
WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Isotype:

IgG

DATA:

Western blot analysis of KDM1/LSD1 in Jurkat lysates using KDM1A antibody.

Western blot analysis of KDM1/LSD1 in HeLa, CHO-K1, C6, Jurkat lysates using KDM1/LSD1 antibody.

Immunocytochemistry analysis of KDM1/LSD1 in HeLa using KDM1/LSD1 antibody, and DAPI

Note:

For research use only, not for use in diagnostic procedure.

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