

## KDM1A (1E5) monoclonal antibody

Catalog: MB0193

Host: Mouse

Reactivity: Human, Monkey

### Background:

Lysine-specific histone demethylase 1 (LSD1), also designated BHC110, is a flavin-dependent amine oxidase which catalyzes the removal of one or two methyl groups from the methyl-lysine-4 side chain of Histone H3. The LSD1 protein contains a SWIRM domain, a FAD-binding motif and an amine oxidase domain. Association with CoREST, a SANT domain-containing corepressor, positively regulates LSD1. CoREST mediates the demethylation ability of LSD1 and protects it from proteasomal degradation in vivo.

### Product:

Mouse IgG1. Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

### Molecular Weight:

Predicted band size: 110KDa

Observed band size: 110KDa

### Swiss-Prot:

O60907

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:1000

ICC: 1:100~500

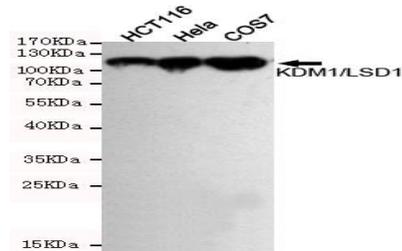
### Storage&Stability:

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

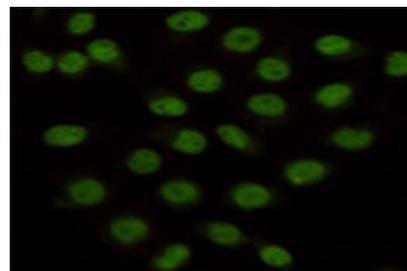
### Specificity:

This antibody detects endogenous levels of KDM1A and does not cross-react with related proteins.

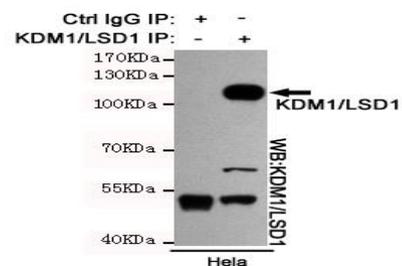
### DATA:



Western blot detection of KDM1A in HeLa, HCT116 and COS7 cell lysates using KDM1A mouse mAb (1:1000 diluted).



Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-KDM1A mouse mAb (dilution 1:100).



Immunoprecipitation analysis of HeLa cell lysates using KDM1/LSD1 mouse mAb.

### Note:

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

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