

Product Name: KD-Validated KDM3A Mouse Monoclonal Antibody**Catalog #: KVA00359**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Mouse 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 1:400-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 147.3kDa

Antigen Information

Gene Name	KDM3A
Alternative Names	KDM3A; Lysine Demethylase 3A; TSGA; KIAA0742; JHMD2A; JMJD1A; JMJD1; JmjC Domain-Containing Histone Demethylation Protein 2A; Jumonji C Domain-Containing Histone Demethylase 2A; [Histone H3]-Dimethyl-L-Lysine(9) Demethylase 3A; Jumonji Domain-Containing Protein 1A; Lysine (K)-Specific Demethylase 3A; Lysine-Specific Demethylase 3A; JHDM2A; Jumonji Domain Containing 1A; Jumonji Domain Containing 1; Testis-Specific Protein A; EC 1.14.11.65; EC 1.14.11
Gene ID	55818.0
SwissProt ID	Q9Y4C1
Immunogen	Recombinant protein of human KDM3A

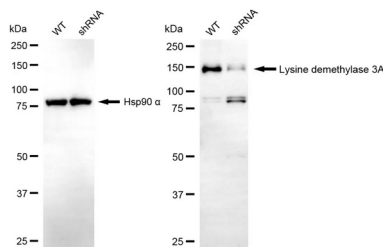
Background

Enables histone H3K9me/H3K9me2 demethylase activity; iron ion binding activity; and nuclear androgen receptor binding activity. Involved in androgen receptor signaling pathway; formaldehyde biosynthetic process; and positive regulation of DNA-templated transcription. Located in nucleoplasm. Implicated in cervical cancer and colon cancer. Biomarker of Ewing sarcoma; hepatocellular carcinoma; nasopharynx carcinoma; and prostate cancer. [provided by Alliance of Genome Resources, Jul 2025]

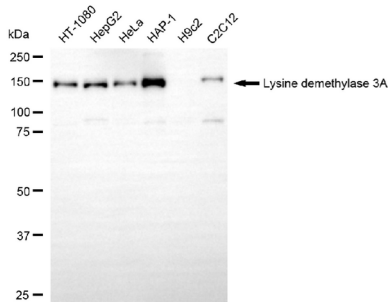
Research Area

Epigenetics and Nuclear Signaling

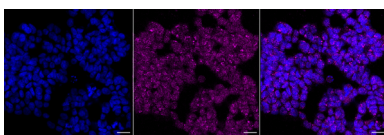
Image Data



Western blotting analysis using lysine demethylase 3A antibody (KVA00359). Lysine demethylase 3A expression in wild-type (WT) and lysine demethylase 3A (KDM3A) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with lysine demethylase 3A antibody (KVA00359, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using lysine demethylase 3A antibody (KVA00359). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with lysine demethylase 3A antibody (KVA00359, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with Lysine demethylase 3A antibody (KVA00359, 1:1,000). Nuclei were stained blue with DAPI; Lysine demethylase 3A was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.