

Mouse anti-Human KDM3A Monoclonal Antibody | anti-KDM3A antibody

KDM3A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312046	Mouse	Human	Flow Cytometry, Functional Assay, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

KDM3A; Monoclonal Antibody; KDM3A Antibody; DKFZp686A24246 antibody; DKFZp686P07111 antibody; JHDM2A antibody; JHMD2A antibody; JmjC domain-containing histone demethylation protein 2A antibody; JMJD1 antibody; JMJD1A antibody; Jumonji C domain containing histone demethylase 2A antibody; Jumonji domain containing 1 antibody; Jumonji domain containing 1A antibody; Jumonji domain containing protein 1A antibody; Jumonji domain-containing protein 1A antibody; Kdm3a antibody; KDM3A_HUMAN antibody; KIAA0742 antibody; Lysine (K) specific demethylase 3A antibody; Lysine-specific demethylase 3A antibody; Testis specific protein A antibody; TSGA antibody; anti-KDM3A antibody

PRODUCT SPECIFICATIONS

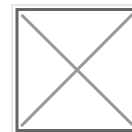
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	C2-G10
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-KDM3A antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of HeLa cells with KDM3A antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).



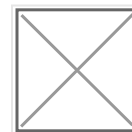
ICC (Immunocytochemistry)

ICC staining KDM3A (green) and Actin filaments (red) in HeLa cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)

Western blot analysis of KDM3A on HEK293 (1) and KDM3A-hlgGfC transfected HEK293 (2) cell lysate using anti-KDM3A antibody at 1/1, 000 dilution.



WB (Western Blot)

Western blot analysis of KDM3A on human KDM3A recombinant protein using anti-KDM3A antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-KDM3A antibody	JMJD1A (Jumonji domain containing 1A), also known as TSGA (testis-specific protein A), JMJD1, KDM3A, JHDM2A (JMJC domain-containing histone demethylation protein 2A) or JHMD2A, is a member of the JHDM2 histone demethylase family of proteins that is predominantly expressed in testis. Containing one JMJC domain and a C-terminal C2HC4 zinc finger, JMJD1A functions as a mono- and dimethylation-specific demethylase, binding iron and a-ketoglutarate as cofactors and demethylating Lysine 9 of Histone H3. This suggests that JMJD1A plays a central role in the histone code and participates in nuclear hormone receptor-based transcriptional regulation. In addition, JMJD1A plays an important role in the regulation of cell growth during development and in chromatin regulation. JMJD1A directly regulates the expression of TNP1 and Protamine 1 (proteins required for the proper packaging and condensation of sperm chromatin) and, therefore, plays an essential role in spermatogenesis.
Product Categories/Family for anti-KDM3A antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	308153659
NCBI GeneID	55818
UniProt Accession #	Q9Y4C1; Q53S72; Q68D47; Q68UT9; Q6N050; Q8IY08; D6W5M3
Molecular Weight	1321
NCBI Official Full Name	Lysine-specific demethylase 3A
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 3A
NCBI Official Symbol	KDM3A
NCBI Official Synonym Symbols	TSGA; JMJD1; JHDM2A; JHMD2A; JMJD1A
NCBI Protein Information	lysine-specific demethylase 3A; testis-specific protein A; jumonji domain containing 1; jumonji domain containing 1A; jumonji domain-containing protein 1A; jumonji C domain-containing histone demethylase 2A; jmjC domain-containing histone demethylation pr
UniProt Protein Name	Lysine-specific demethylase 3A
UniProt Gene Name	KDM3A
UniProt Synonym Gene Names	JHDM2A; JMJD1; JMJD1A; KIAA0742; TSGA
UniProt Entry Name	KDM3A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/kdm3a-antibody-clone-c2-g10-flow-cytometry-immunocytochemistry-western-blot-elisa/312046>