

Rabbit anti-Human KDM5A Monoclonal Antibody | anti-KDM5A antibody

KDM5A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312624	Rabbit	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

KDM5A; Monoclonal Antibody; KDM5A Antibody; Histone demethylase JARID1A antibody; JARID1A antibody; Jumonji/ARID domain containing protein 1A antibody; Jumonji/ARID domain-containing protein 1A antibody; Kdm5a antibody; KDM5A_HUMAN antibody; Lysine-specific demethylase 5A antibody; RBBP-2 antibody; RBBP2 antibody; RBP2 antibody; Retinoblastoma binding protein 2 antibody; Retinoblastoma-binding protein 2 antibody; anti-KDM5A antibody

PRODUCT SPECIFICATIONS

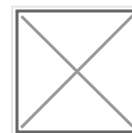
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JB36-60
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-KDM5A antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



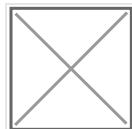
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of SH-SY-5Y cells with KDM5A antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



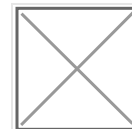
ICC (Immunocytochemistry)

ICC staining KDM5A in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining KDM5A in A549 cells (green). 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 KDM5A on A549 cell using anti-KDM5A antibody at 1/500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-KDM5A antibody	Histone demethylase that specifically demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-9', H3 'Lys-27', H3 'Lys-36', H3 'Lys-79' or H4 'Lys-20'. Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-4'. Regulates specific gene transcription through DNA-binding on 5'-CCGCCC-3' motif. May stimulate transcription mediated by nuclear receptors. Involved in transcriptional regulation of Hox proteins during cell differentiation. May participate in transcriptional repression of cytokines such as CXCL12. Plays a role in the regulation of the circadian rhythm and in maintaining the normal periodicity of the circadian clock. In a histone demethylase-independent manner, acts as a coactivator of the CLOCK-ARNTL/BMAL1-mediated transcriptional activation of PER1/2 and other clock-controlled genes and increases histone acetylation at PER1/2 promoters by inhibiting the activity of HDAC1. Seems to act as a transcriptional corepressor for some genes such as MT1F and to favor the proliferation of cancer cells.
Product Categories/Family for anti-KDM5A antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	83406060
NCBI GeneID	5927
UniProt Accession #	P29375; Q4LE72; Q86XZ1; A8MV76
Molecular Weight	192,095 Da
NCBI Official Full Name	JARID1A protein
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 5A
NCBI Official Symbol	KDM5A
NCBI Official Synonym Symbols	RBP2; RBBP2; RBBP-2
NCBI Protein Information	lysine-specific demethylase 5A; histone demethylase JARID1A; retinoblastoma binding protein 2; jumonji/ARID domain-containing protein 1A; Jumonji, AT rich interactive domain 1A (RBP2-like)
UniProt Protein Name	Lysine-specific demethylase 5A
UniProt Gene Name	KDM5A
UniProt Synonym Gene Names	JARID1A; RBBP2; RBP2; RBBP-2
UniProt Entry Name	KDM5A_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/kdm5a-antibody-clone-jb36-60-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/312624>