Anti-KDM5A antibody

Description	Unconjugated Rabbit polyclonal to KDM5A

Model	STJ190343
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human KDM5A protein.
Immunogen Region	720-800aa
Gene ID	5927
Gene Symbol	KDM5A
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	KDM5A Polyclonal Antibody detects endogenous levels of protein.
Purification	KDM5A antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Lysine-specific demethylase 5A Histone demethylase JARID1A Jumonji/ARID domain-containing protein 1A Retinoblastoma-binding protein 2 RBBP-2
Molecular Weight	185 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9886OMIM:180202
Alternative Names	Lysine-specific demethylase 5A Histone demethylase JARID1A Jumonji/ARID domain-containing protein 1A Retinoblastoma-binding protein 2 RBBP-2
Function	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'. May stimulate transcription mediated by nuclear receptors. May be 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 .
Sequence and Domain Family	The GSGFP motif is required for the interaction with SUZ12.
Cellular Localization	Nucleus, nucleolus Nucleus. Occupies promoters of genes involved in RNA metabolism and mitochondrial function.