Anti-KDM5B antibody

Description	Unconjugated Rabbit polyclonal to KDM5B

Model	STJ191877
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Gene ID	10765
Gene Symbol	KDM5B
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	KDM5B Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Ubiquitously expressed, with highest levels in testis. Down-regulated in melanoma and glioblastoma. Up-regulated in breast cancer (at protein level).
Purification	KDM5B 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 5B Cancer/testis antigen 31 CT31 Histone demethylase JARID1B Jumonji/ARID domain-containing protein 1B PLU-1 Retinoblastoma-binding protein 2 homolog 1 RBP2-H1
Molecular Weight	169 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:18039OMIM:605393
Alternative Names	Lysine-specific demethylase 5B Cancer/testis antigen 31 CT31 Histone demethylase JARID1B Jumonji/ARID domain-containing protein 1B PLU-1 Retinoblastoma-binding protein 2 homolog 1 RBP2-H1
Function	Histone demethylase that demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-9' or H3 'Lys-27'. Demethylates trimethylated, dimethylated and monomethylated H3 'Lys-4'. Acts as a transcriptional corepressor for FOXG1B and PAX9. Favors the proliferation of breast cancer cells by repressing tumor suppressor genes such as BRCA1 and HOXA5. In contrast, may act as a tumor suppressor for melanoma. Represses the CLOCK-ARNTL/BMAL1 heterodimer-mediated transcriptional activation of the core clock component PER2 .
Sequence and Domain Family	Both the JmjC domain and the JmjN domain are required for enzymatic activity.; The 2 first PHD-type zinc finger domains are required for transcription repression activity.
Cellular Localization	Nucleus