



KDM5B Polyclonal Antibody

Catalog No	YP-Ab-06640
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	KDM5B JARID1B PLU1 RBBP2H1
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	KDM5B Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Lysine specific demethylase 5B;lysine (K) demethylase 5B;JARID1B;Histone demethylase JARID1B;CT31;KDM5B;KDM5B JARID1B PLU1 RBBP2H1;Lysine-specific demethylase 5B (EC 1.14.11.-) (Cancer/testis antigen 31) (CT31) (Histone demethylase JARID1B) (Jumonji/ARID domain-containing protein 1B) (PLU-1) (Retinoblastoma-binding protein 2 homo
Observed Band	160-180 kDa
Calculated Molecular Weight	176 kDa
Cell Pathway	Nucleus .
Tissue Specificity	Ubiquitously expressed, with highest levels in testis. Down-regulated in melanoma and glioblastoma. Up-regulated in breast cancer (at protein level).
Function	cofactor:Fe(2+).,domain:Both the JmjC domain and the JmjN domain are required for enzymatic activity.,domain:The 2 first PHD-type zinc finger domains are required for transcription repression activity.,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., similarity:Belongs to the JARID1 histone demethylase family., similarity:Contains 1 ARID domain., similarity:Contains 1 JmjC domain., similarity:Contains 1 JmjN domain., similarity:Contains 3 PHD-type zinc fingers., subunit:Interac

Background

This gene encodes a lysine-specific histone demethylase that belongs to the jumonji/ARID domain-containing family of histone demethylases. The encoded protein is capable of demethylating tri-, di- and monomethylated lysine 4 of histone H3. This protein plays a role in the transcriptional repression or certain tumor suppressor genes and is upregulated in certain cancer cells. This protein may also play a role in genome stability and DNA repair. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images