



# JMJD2B Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-01835
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	IHC;IF;ELISA
<b>Gene Name</b>	KDM4B
<b>Protein Name</b>	Lysine-specific demethylase 4B
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human KDM4B. AA range:351-400
<b>Specificity</b>	JMJD2B Polyclonal Antibody detects endogenous levels of JMJD2B protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	KDM4B; JHDM3B; JMJD2B; KIAA0876; Lysine-specific demethylase 4B; JmjC domain-containing histone demethylation protein 3B; Jumonji domain-containing protein 2B
<b>Observed Band</b>	
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Brain,Epithelium,Testis,
<b>Function</b>	cofactor: Binds 1 Fe(2+) ion per subunit., domain: The 2 Tudor domains recognize and bind methylated histones. Double Tudor domain has an interdigitated structure and the unusual fold is required for its ability to bind methylated histone tails., function: Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Only able to demethylate trimethylated H3 'Lys-9', with a weaker activity than KDM4A, KDM4C and KDM4D. Demethylation of Lys residue generates formaldehyde and succinate., similarity: Belongs to the JHDM3 histone demethylase family., similarity: Contains 1 JmjC domain., similarity: Contains 1 JmjN domain., similarity: Contains 2 PHD-type zinc fingers., similarity: Contains 2 Tudor domains.,



### Background

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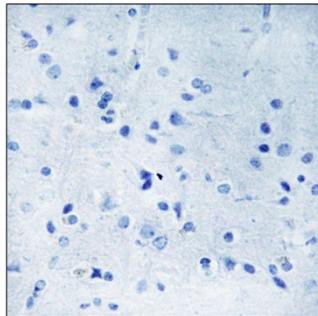
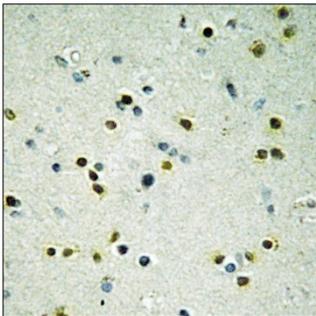
### matters needing attention

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



Immunohistochemistry analysis of paraffin-embedded human brain, using JHD3B Antibody. The picture on the right is blocked with the synthesized peptide.