



JMJD2B rabbit pAb

Cat No.:ES5294

For research use only

Overview

Product Name	JMJD2B rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human KDM4B. AA range:351-400
Specificity	JMJD2B Polyclonal Antibody detects endogenous levels of JMJD2B protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Lysine-specific demethylase 4B
Gene Name	KDM4B
Cellular localization	Nucleus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	23030
Human Swiss-Prot Number	O94953
Alternative Names	KDM4B; JHDM3B; JMJD2B; KIAA0876; Lysine-specific demethylase 4B; JmjC domain-containing histone demethylation protein 3B; Jumonji domain-containing protein 2B 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
Background	





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.,

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

