

JMJD2B Polyclonal Antibody

Cat No: HR1AP6405

For research use only

Overview

Product Name	JMJD2B Polyclonal Antibody
Source	Rabbit
Applications	IHC-p,ELISA
Species Reactivity	Human
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	kDa
GeneID?Human?	KDM4B
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	KDM4B; JHDM3B; JMJD2B; KIAA0876; Lysine-specific demethylase 4B; JmjC domain-containing histone demethylation protein 3B; Jumonji domain-containing protein 2B
Background	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.,