

Anti-KDM4B / JMJD2B Rabbit Monoclonal Antibody

Catalog # ABO15767

Product Information

Application	WB, IHC, IF, ICC, FC
Primary Accession	O94953
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-KDM4B / JMJD2B Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	23030
Other Names	Lysine-specific demethylase 4B, 1.14.11.66, JmjC domain-containing histone demethylation protein 3B, Jumonji domain-containing protein 2B, [histone H3]-trimethyl-L-lysine(9) demethylase 4B, KDM4B, JHDM3B, JMJD2B, KIAA0876
Calculated MW	121897
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 FC 1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 23K44
Immunogen	A synthesized peptide derived from human KDM4B / JMJD2B
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	KDM4B
Synonyms	JHDM3B, JMJD2B, KIAA0876

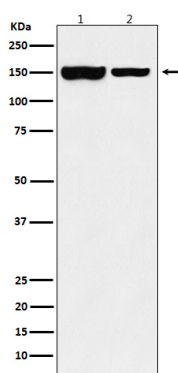
Function

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 (PubMed:[16603238](#), PubMed:[28262558](#)). Plays a critical role in the development of the central nervous system (CNS).

Cellular Location

Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00537, ECO:0000269 | PubMed:15927959}

Images



Western blot analysis of KDM4B / JMJD2B expression in (1) SW480 cell lysate; (2) Mouse testis cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.