

## 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** 094953

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

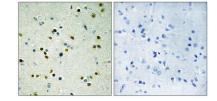
structure and the unusual fold is required for its





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 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.



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