Datasheet for ABIN1385909

anti-KDM4B antibody (AA 51-150)

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Overview

Quantity:	100 µL
Target:	KDM4B
Binding Specificity:	AA 51-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM4B antibody is un-conjugated
Application:	ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human JMJD2B/KDM4B
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow
Purification:	Purified by Protein A.

Target Details

Target:	KDM4B
Alternative Name:	JMJD2B/KDM4B (KDM4B Products)

Target Details

Background:	Synonyms: JHDM3B, JmjC domain-containing histone demethylation protein 3B, JMJD2B, JmjC domain-containing histone demethylation protein 3A, Jumonji domain containing protein 2B, KIAA0876, Lysine-specic demethylase 4B, KDM4B_HUMAN. Background: JMJD2B is a 1,064 amino acid protein encoded by the human gene JMJD2B. JMJD2B belongs to the JMJD2B histone demethylase family and contains one JmjC domain, one JmjN domain, two PHD-type zinc fingers and two Tudor domains. The two Tudor domains recognize and bind methylated histones and have an interdigitated structure, the unusual fold is required for its ability to bind methylated histone tails. JMJD2B is a histone demethylase that specifically demethylates Lys 9 residues of Histone H3, thereby playing a role in histone code. It does not demethylate Histone H3 Lys 4, H3 Lys 27, H3 Lys 36 or H4 Lys 20, however, and is only able to demethylate trimethylated H3 Lys-9 and has weaker activity than JMJD2A, JMJD2C and JMJD2D. JMJD2B demethyl-ation of Lysine residues will generate formaldehyde and succinate. JMJD2B is a ubiquitously expressed nuclear protein.
Gene ID:	23030
Pathways:	Warburg Effect

Application Details

Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months