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JMJD1B Rabbit pAb

Catalog # AP98263

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q7LBC6
Other Accession	Q7LBC6
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	191581
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human JMJD1B
Epitope Specificity	1601-1761/1761
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the JHDM2 histone demethylase family.Contains 1 JmjC domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	JMJD1B (jumonji domain containing 1B), also known as KDM3B, 5qNCA (5q Nuclear Co-Activator) or C5orf7, is a member of the JHDM2 histone demethylase family of proteins. Expressed in a wide variety of tissues, JMJD1B localizes to the nucleus and contains one JMJC domain and a C-terminal zinc finger motif. JMJD1B functions as a histone demethylase and, using iron as a cofactor, demethylates lysine-9 of Histone H3. This suggests that JMJD1B plays a central role in the histone code. The gene encoding human JMJD1B is located within the 5q region of the genome that is often deleted in myeloid leukemias and myelodysplasias. This implies that JMJD1B may function as a tumor suppressor of myeloid leukemia. Eptopic expression of JMJD1B exhibits growth suppressive activities, further supporting a role for JMJD1B in tumor suppression.

Additional Information

Gene ID	51780
Other Names	5qNCA; C5orf7; DIJOS; JMJD1B; NET22; 5830462I21Rik; JHDM2B; mKIAA1082; KDM3B_HUMAN; KDM3B; JmjC domain-containing histone demethylation protein 2B; Jumonji domain-containing protein 1B; Nuclear protein 5qNCA; [histone H3]-dimethyl-L-lysine(9) demethylase 3B; 1.14.11.65; KIAA1082; KDM3B_MOUSE; lysine demethylase 3B; chromosome 5 open reading frame 7; jumonji domain containing 1B; lysine (K)-specific demethylase 3B
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	KDM3B
Synonyms	C5orf7, JHDM2B, JMJD1B, KIAA1082
Function	Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central role in histone code. Demethylation of Lys residue generates formaldehyde and succinate. May have tumor suppressor activity.
Cellular Location	Nucleus.
Tissue Location	Ubiquitous. Highly expressed in placenta, skeletal muscle, kidney, heart and liver.

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