

KDM5C Recombinant Mouse mAb

Catalog # AP96398

Product Information

Application	WB
Predicted	Human
Host	Mouse
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG1, Kappa
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the JARID1 histone demethylase family. Contains 1 ARID domain. Contains 1 JmjC domain. Contains 1 JmjN domain. Contains 2 PHD-type zinc fingers.
SUBUNIT	Part of two distinct complexes, one containing E2F6, and the other containing REST.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is a member of the SMCY homolog family and encodes a protein with one ARID domain, one JmjC domain, one JmjN domain and two PHD-type zinc fingers. The DNA-binding motifs suggest this protein is involved in the regulation of transcription and chromatin remodeling. Mutations in this gene have been associated with X-linked mental retardation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]

Additional Information

Other Names	DXS1272E; JARID1C; MRX13; MRXJ; MRXS16; MRXSCJ; MRXSJ; SMCX; XE169; KDM5C_HUMAN; KDM5C; Histone demethylase JARID1C; Jumonji/ARID domain-containing protein 1C; Protein SmcX; Protein Xe169; [histone H3]-trimethyl-L-lysine(4) demethylase 5C; 1.14.11.67; lysine demethylase 5C; Jumonji, AT rich interactive domain 1C (RBP2-like); Smcy homolog, X-linked (mouse); jumonji, AT rich interactive domain 1C; mental retardation, X-linked 13; lysine (K)-specific demethylase 5C
Dilution	WB=1:500-1000, ICC/IF=1:50-200
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.
Name	KDM5C Recombinant Mouse mAb
Function	Histone demethylase that specifically demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-9', H3 'Lys-27', H3 'Lys-36', H3 'Lys-79' or H4 'Lys-20'. Demethylates

trimethylated and dimethylated but not monomethylated H3 'Lys-4'.
Participates in transcriptional repression of neuronal genes by recruiting histone deacetylases and REST at neuron-restrictive silencer elements.

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