

Mouse anti-Human KDM5C / Jarid1C / SMCX Monoclonal Antibody | anti-KDM5C antibody

KDM5C / Jarid1C / SMCX Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290430	Mouse	Human	Immunocytochemistry, Western Blot

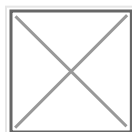
PRODUCT SYNONYMS

KDM5C / Jarid1C / SMCX; Monoclonal Antibody; KDM5C / Jarid1C / SMCX Antibody; Purified Mouse Monoclonal Antibody (Mab); DXS1272E; Histone demethylase JARID1C; JARID1C; JmjC domain containing protein SMCX; Jumonji AT rich interactive domain 1C; Jumonji; AT rich interactive domain 1C (RBP2 like); Jumonji/ARID domain-containing protein 1C; KDM5C; KDM5C_HUMAN; Lysine (K) specific demethylase 5C; Lysine-specific demethylase 5C; MRXJ; MRXSCJ; MRXSJ; Protein SmcX; Protein Xe169; rbp2 like protein; Selected cDNA on X; SMCX; Smcx homolog X chromosome; SmcX protein; Smcy homolog X linked; XE169; Xe169 protein; Xe169 protein.; anti-KDM5C antibody

PRODUCT SPECIFICATIONS

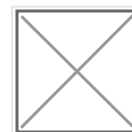
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Form/Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
Sequence Length	1379
Applicable Applications for anti-KDM5C antibody	ICC (Immunocytochemistry), WB (Western Blot)
Antigen Source	Human
Antigen Type	Recombinant Protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemistry of HeLa cells using anti-KDM5C / Jarid1C / SMCX mouse mAb diluted 1:150.



WB (Western Blot)

Western blot detection of KDM5C / Jarid1C / SMCX in HeLa and 293 cell lysates using KDM5C / Jarid1C / SMCX mouse mAb (1:1000 diluted). Predicted band size: 176KDa. Observed band size: 220KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-KDM5C antibody

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. Represses the CLOCK-ARNTL/BMAL1 heterodimer-mediated transcriptional activation of the core clock component PER2 (By similarity).

References	Wu J.,et al.Hum. Mol. Genet. 3:153-160(1994). Ota T.,et al.Nat. Genet. 36:40-45(2004). Ross M.T.,et al.Nature 434:325-337(2005). Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Agulnik A.I.,et al.Hum. Mol. Genet. 3:879-884(1994).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226442963
NCBI GeneID	8242
NCBI Accession #	NP_001140174.1
NCBI GenBank Nucleotide #	NM_001146702.1
UniProt Accession #	P41229; Q5JUX3; Q5JUX4; Q5JUX5; Q7Z5S5; B0QZ44; B4E3I2; F5H3T1
Molecular Weight	175720
NCBI Official Full Name	lysine-specific demethylase 5C isoform 2
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 5C
NCBI Official Symbol	KDM5C
NCBI Official Synonym Symbols	MRXJ; SMCX; MRX13; MRXSJ; XE169; MRXSCJ; JARID1C; DXS1272E
NCBI Protein Information	lysine-specific demethylase 5C
UniProt Protein Name	Lysine-specific demethylase 5C
UniProt Gene Name	KDM5C
UniProt Synonym Gene Names	DXS1272E; JARID1C; SMCX; XE169
UniProt Entry Name	KDM5C_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.