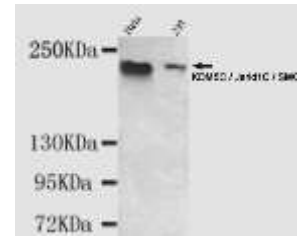


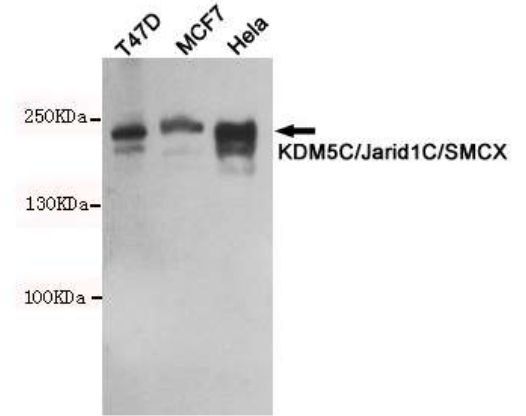
Anti-KDM5C / Jarid1C / SMCX Antibody

CATALOG NO:	A1308-100
ALTERNATIVE NAMES:	MRXJ, SMCX, MRXSJ, XE169, MRXSCJ, JARID1C, DXS1272E, Lysine-specific demethylase 5C, Jumonji/ARID domain-containing protein 1C
CLONE:	2E4-E1-G8
AMOUNT:	100 µg
Host/ISOTYPE:	Mouse IgG2a
IMMUNOGEN:	Purified recombinant human KDM5C / Jarid1C / SMCX protein fragments expressed in <i>E.coli</i>
MOLECULAR WEIGHT:	220 kDa
SPECIES REACTIVITY:	Human
PURIFICATION:	Affinity purified
FORM:	Liquid
FORMULATION:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
STORAGE CONDITIONS:	For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	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
APPLICATION:	WB; 1:1000 IF; 1:150

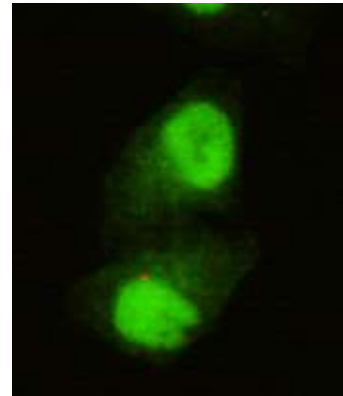
Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot detection of KDM5C / Jarid1C / SMCX in HeLa and 293 cell lysates using KDM5C / Jarid1C / SMCX mouse mAb (1:1000 diluted)



Western blot detection of KDM5C / Jarid1C / SMCX in T47D, MCF7 and HeLa cell lysates using KDM5C / Jarid1C / SMCX mouse mAb (1:500 diluted).



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

RELATED PRODUCTS:

- 5-hmC polyclonal antibody (rabbit) (Cat. No. 6830)
- Acetyl Lysine (Biotin) Antibody (6125)
- Acetyl-Histone H2A Antibody (3653)
- Anti- c-Myb Antibody (A1212)

FOR RESEARCH USE ONLY! Not to be used on humans.