

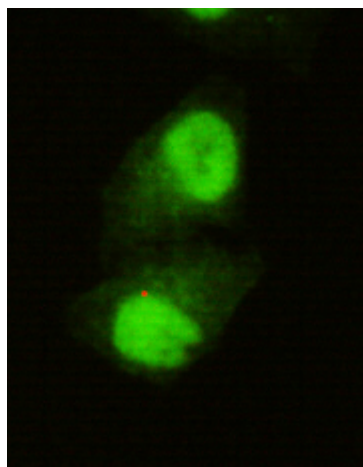


## KDM5C / Jarid1C / SMCX Antibody

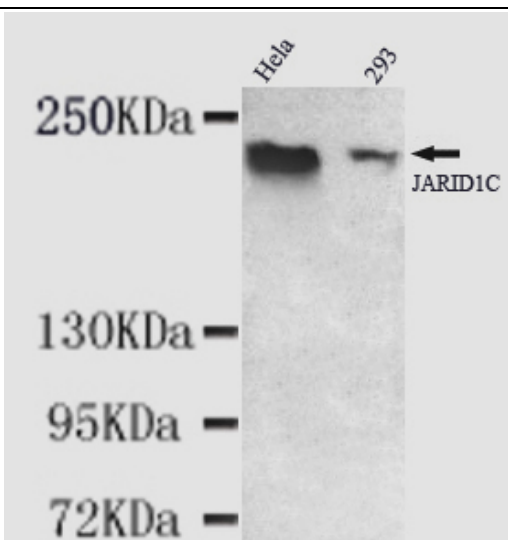
E2200054

|                              |   |
|------------------------------|---|
| <b>Catalog Number:</b>       | E2200054  |
| <b>Size:</b>                 | 100ug   |
| <b>Storage:</b>              | Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles   |
| <b>Host:</b>                 | Mouse   |
| <b>Formulation:</b>          | Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol   |
| <b>Sensitivity:</b>          | This antibody detects endogenous levels of KDM5C and does not cross-react with related proteins   |
| <b>Entrez summary:</b>       | 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.                             |
| <b>UniPort summary</b>       | 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. |
| <b>Function:</b>             |   |
| <b>Immunogen:</b>            | Purified recombinant human KDM5C (C-terminus) protein fragments expressed in E.coli   |
| <b>Antibody Type:</b>        | Monoclonal antibody   |
| <b>Isotype:</b>              | IgG2a   |
| <b>Purified method:</b>      | Affinity purified   |
| <b>Subcellular location:</b> | Nucleus   |
| <b>Reactivity:</b>           | Human   |
| <b>Applications:</b>         | WB, ICC   |
| <b>Molecular Weight:</b>     | 220kDa  |
| <b>UniProt number:</b>       | P412298   |
| <b>GeneBank ID:</b>          | NM_004187.3   |
| <b>Gene symbol:</b>          | MRXJ; SMCX; MRXSJ; XE169; MRXSCJ; JARID1C; DXS1272E   |
| <b>Alternate names:</b>      | MRXJ; SMCX; MRXSJ; XE169; MRXSCJ; JARID1C; DXS1272E   |

**For Research Use Only**



Immunocytochemistry of HeLa cells using anti- KDM5C (C-terminus) antibody diluted 1:150



Western blot detection of KDM5C(C-terminus) antibody in HeLa&293 cell lysates using KDM5C(C-terminus) antibody (1:1000 diluted). Predicted band size: 176kDa Observed band size: 220kDa