

## Mouse SmcX Monoclonal Antibody | anti-SmcX antibody

SmcX Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY                     | APPLICATIONS                                          |
|-----------|-------|--------------------------------|-------------------------------------------------------|
| AAA320282 | Mouse | Human, Mouse, Rat, Bovine, Dog | Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

SmcX; Monoclonal Antibody; SmcX Monoclonal Antibody; Lysine-specific demethylase 5C; KDM5C; DXS1272E; JARID1C; SMCX; XE169; Histone demethylase JARID1C; Jumonji/ARID domain-containing protein 1C; Protein SmcX; Protein Xe169; anti-SmcX antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                               |
| Reactivity                                     | Human, Mouse, Rat, Bovine, Dog                                                      |
| Clonality                                      | Monoclonal                                                                          |
| Specificity                                    | SmcX Monoclonal Antibody detects endogenous levels of SmcX protein.                 |
| Purity/Purification                            | Affinity purification                                                               |
| Form/Format                                    | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.             |
| Concentration                                  | 1mg/ml (varies by lot)                                                              |
| Applicable Applications for anti-SmcX antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)               |
| Immunogen                                      | Purified recombinant human SmcX (C-terminus) protein fragments expressed in E coli. |
| Modification                                   | Unmodified/Total                                                                    |
| Preparation and Storage                        | Store at -20 degree C/1 year                                                        |

### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence analysis of HeLa cells using SmcX Monoclonal Antibody.


**WB (Western Blot)**

Western Blot analysis using SmcX Monoclonal Antibody against HeLa. 293 cell lysate.

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SmcX antibody | 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] |
| Product Categories/Family for anti-SmcX antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 117949812                                                                                                                                                                                                                                           |
| NCBI GeneID                      | 8242                                                                                                                                                                                                                                                |
| UniProt Accession #              | P41229; Q5JUX3; Q5JUX4; Q5JUX5; Q7Z5S5; B0QZ44; B4E3I2; F5H3T1                                                                                                                                                                                      |
| Molecular Weight                 | 1560                                                                                                                                                                                                                                                |
| NCBI Official Full Name          | Lysine-specific demethylase 5C                                                                                                                                                                                                                      |
| 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; Smcy homolog, X-linked; Smcx homolog, X chromosome; histone demethylase JARID1C; JmjC domain-containing protein SMCX; Jumonji/ARID domain-containing protein 1C; Jumonji, AT rich interactive domain 1C (RBP2-like) |
| 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.

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