

## ARG53982 anti-KDM5C / Jarid 1C / SMCX antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes KDM5C / Jarid 1C / SMCX
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Target Name	KDM5C / Jarid 1C / SMCX
Species	Human
Immunogen	Purified recombinant human KDM5C / Jarid1C / SMCX protein fragments expressed in E.coli
Conjugation	Un-conjugated
Alternate Names	XE169; SMCX; DXS1272E; JARID1C; Jumonji/ARID domain-containing protein 1C; Protein Xe169; Histone demethylase JARID1C; EC 1.14.11.-; MRX13; MRXJ; Lysine-specific demethylase 5C; MRXSJ; Protein SmcX; MRXSJ

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:150
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	220 kDa	

### Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.1M Tris-Glycine (pH 7.4), 150 mM NaCl, 0.2% Sodium azide and 50% Glycerol
Preservative	0.2% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

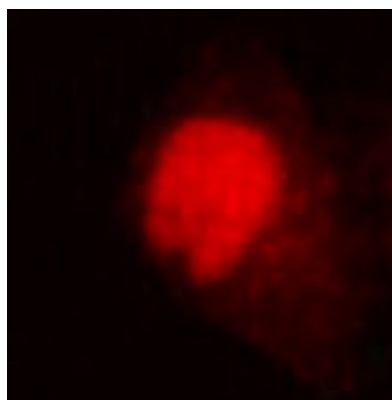
## Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 8242 Human</a> <a href="#">Swiss-port # P41229 Human</a>
Gene Symbol	KDM5C
Gene Full Name	lysine (K)-specific demethylase 5C
Background	<p>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'.</p> <p>Participates in transcriptional repression of neuronal genes by recruiting histone deacetylases and REST at neuron-restrictive silencer elements.</p>
Function	<p>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'.</p> <p>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). [UniProt]</p>
Research Area	Gene Regulation antibody
Calculated Mw	176 kDa
Cellular Localization	Nucleus

## Images



ARG53982 anti-KDM5C / Jarid 1C / SMCX antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG53982 anti-KDM5C / Jarid 1C / SMCX antibody at 1:150 dilution.



MCF7

ARG53982 anti-KDM5C / Jarid 1C / SMCX antibody WB image

Western blot: MCF7 cell lysate stained with ARG53982 anti-KDM5C / Jarid 1C / SMCX antibody at 1:500 dilution.