

ARG53982
anti-KDM5C / Jarid 1C / SMCX antibodyPackage: 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

[GeneID: 8242 Human](#)

[Swiss-port # P41229 Human](#)

Gene Symbol

KDM5C

Gene Full Name

lysine (K)-specific demethylase 5C

Background

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.

Function

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). [UniProt]

Research Area

Gene Regulation antibody

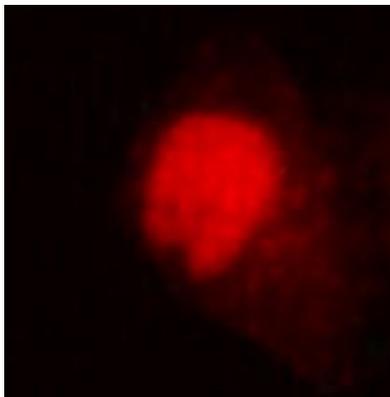
Calculated Mw

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.