

KDM5C / Jarid1C / SMCX Antibody (C-Terminus)
Mouse Monoclonal Antibody
Catalog # ALS15838**Specification****KDM5C / Jarid1C / SMCX Antibody (C-Terminus) - Product Information**

Application	WB, IF, IHC
Primary Accession	P41229
Reactivity	Human, Mouse, Rat, Bovine, Dog
Host	Mouse
Clonality	Monoclonal
Calculated MW	176kDa KDa

KDM5C / Jarid1C / SMCX Antibody (C-Terminus) - Additional Information**Gene ID** 8242**Other Names**

Lysine-specific demethylase 5C, 1.14.11.-, Histone demethylase JARID1C, Jumonji/ARID domain-containing protein 1C, Protein SmcX, Protein Xe169, KDM5C, DXS1272E, JARID1C, SMCX, XE169

Target/Specificity

Human KDM5C

Reconstitution & Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Precautions

KDM5C / Jarid1C / SMCX Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

KDM5C / Jarid1C / SMCX Antibody (C-Terminus) - Protein Information**Name** KDM5C ([HGNC:11114](#))**Function**

Histone demethylase that specifically demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code (PubMed:28262558). 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-BMAL1 heterodimer-mediated transcriptional activation of the core clock component PER2 (By similarity).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00355, ECO:0000255|PROSITE-ProRule:PRU00537,

ECO:0000269|PubMed:17468742}

Tissue Location

Expressed in all tissues examined. Highest levels found in brain and skeletal muscle.

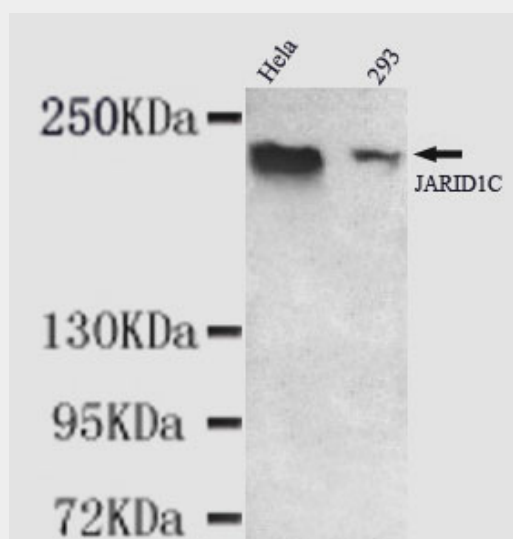
Volume

50 μ l

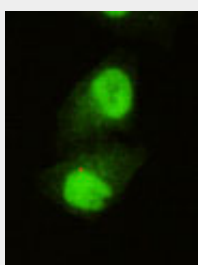
KDM5C / Jarid1C / SMCX Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

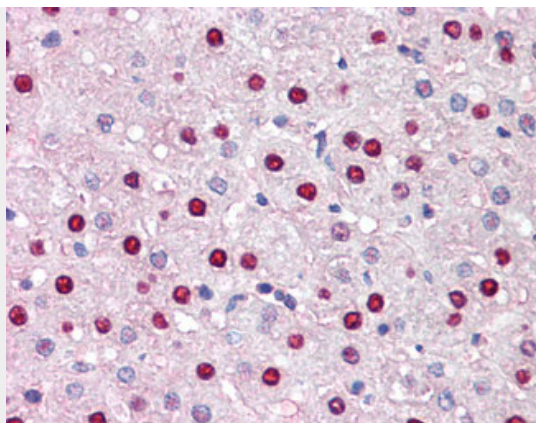
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KDM5C / Jarid1C / SMCX Antibody (C-Terminus) - Images

JARID1C antibody at 1/1000 dilution Lane1: HeLa whole cell lysate 40 ug/Lane Lane2: 293 whole...



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



Anti-KDM5C / Jarid1C / SMCX antibody IHC staining of human liver.

KDM5C / Jarid1C / SMCX Antibody (C-Terminus) - 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. Represses the CLOCK-ARNTL/BMAL1 heterodimer-mediated transcriptional activation of the core clock component PER2 (By similarity).

KDM5C / Jarid1C / SMCX Antibody (C-Terminus) - References

Wu J.,et al.Hum. Mol. Genet. 3:153-160(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Agulnik A.I.,et al.Hum. Mol. Genet. 3:879-884(1994).