

Jarid1c polyclonal antibody
Rabbit Polyclonal Antibody
Catalog # ABV11389**Specification**

Jarid1c polyclonal antibody - Product Information

Application	WB, E
Primary Accession	P41229
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	175720

Jarid1c polyclonal antibody - Additional Information**Gene ID** 8242Positive Control
Application & Usage**Western blot: HeLa cells, ELISA: Peptides.**
Western Blot: 1:1000, ELISA: 1:500.**Other Names**

KDM5C, MRXJ, MRXSJ, SMCX, XE169

Target/Specificity

Jarid1c

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

In PBS with 0.05% (W/V) sodium azide.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Jarid1c polyclonal antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Jarid1c polyclonal antibody - 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.

Jarid1c polyclonal antibody - 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](#)

Jarid1c polyclonal antibody - Images

Jarid1c polyclonal antibody - Background

Jarid1c is a histone demethylase which specifically demethylates lysine 4 of histone H3, thereby playing a central role in the regulation of transcription and chromatin remodelling. Jarid1c demethylates the trimethylated and dimethylated lysine 4, but not the monomethylated form. Further, Jarid1c participates in transcriptional repression of neuronal genes by recruiting histone deacetylases and REST at neuron-restrictive silencer elements. Mutations in the Jarid1c gene have been associated with X-linked mental retardation.