

Jarid2 Antibody
Rabbit mAb
Catalog # AP92146**Specification**

Jarid2 Antibody - Product Information

Application	WB, ICC
Primary Accession	O92833
Clonality	Monoclonal
Other Names	
JARD2; JARID2; JMJ;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	138734 Da

Jarid2 Antibody - Additional Information

Dilution	WB~~1:1000 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Jarid2
Description	Regulator of histone methyltransferase complexes that plays an essential role in embryonic development, including heart and liver development, neural tube fusion process and hematopoiesis.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Jarid2 Antibody - Protein Information**Name** JARID2**Synonyms** JMJ**Function**

Regulator of histone methyltransferase complexes that plays an essential role in embryonic development, including heart and liver development, neural tube fusion process and hematopoiesis (PubMed: [20075857](http://www.uniprot.org/citations/20075857)). Acts as an accessory subunit for the core PRC2 (Polycomb repressive complex 2) complex, which mediates histone H3K27 (H3K27me3) trimethylation on chromatin (PubMed: [20075857](http://www.uniprot.org/citations/20075857), PubMed: [29499137](http://www.uniprot.org/citations/29499137), PubMed: [31959557](http://www.uniprot.org/citations/31959557))

target="_blank">31959557). Binds DNA and mediates the recruitment of the PRC2 complex to target genes in embryonic stem cells, thereby playing a key role in stem cell differentiation and normal embryonic development (PubMed:20075857). In cardiac cells, it is required to repress expression of cyclin-D1 (CCND1) by activating methylation of 'Lys-9' of histone H3 (H3K9me) by the GLP1/EHMT1 and G9a/EHMT2 histone methyltransferases (By similarity). Also acts as a transcriptional repressor of ANF via its interaction with GATA4 and NKX2-5 (By similarity). Participates in the negative regulation of cell proliferation signaling (By similarity). Does not have histone demethylase activity (By similarity).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00355, ECO:0000255|PROSITE-ProRule:PRU00537, ECO:0000269|PubMed:20075857, ECO:0000269|PubMed:29499137}. Note=Colocalizes with the PRC2 complex on chromatin.

Tissue Location

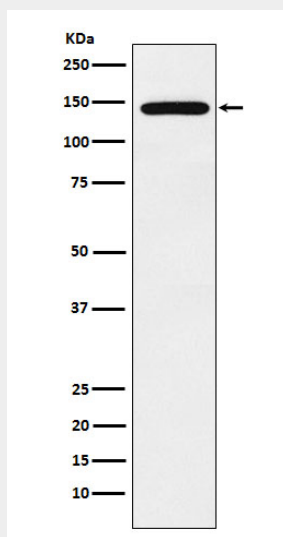
During embryogenesis, predominantly expressed in neurons and particularly in dorsal root ganglion cells

Jarid2 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](#)

Jarid2 Antibody - Images



Western blot analysis of Jarid2 expression in NCCIT cell lysate.