

**Jarid2 antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI11180****Specification**

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**Jarid2 antibody - middle region - Product Information**

Application	WB
Primary Accession	<a href="#">O62315</a>
Other Accession	<a href="#">NM_021878</a> , <a href="#">NP_068678</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog
Predicted	Mouse, Rabbit, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	137kDa KDa

**Jarid2 antibody - middle region - Additional Information****Gene ID** 16468**Alias Symbol** [AI317256](#), [AU045941](#), [C79929](#), [C79931](#), [Jmj](#), [jumonji](#)**Other Names**

Protein Jumonji, Jumonji/ARID domain-containing protein 2, Jarid2, Jmj

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-Jarid2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

Jarid2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**Jarid2 antibody - middle region - 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: [10807864](http://www.uniprot.org/citations/10807864), PubMed: [12852854](http://www.uniprot.org/citations/12852854), PubMed: [12890668](http://www.uniprot.org/citations/12890668), PubMed: [15542826](http://www.uniprot.org/citations/15542826))

target="\_blank">15542826</a>, PubMed:<a href="http://www.uniprot.org/citations/15870077" target="\_blank">15870077</a>, PubMed:<a href="http://www.uniprot.org/citations/19010785" target="\_blank">19010785</a>, PubMed:<a href="http://www.uniprot.org/citations/20064375" target="\_blank">20064375</a>, PubMed:<a href="http://www.uniprot.org/citations/20064376" target="\_blank">20064376</a>, PubMed:<a href="http://www.uniprot.org/citations/20075857" target="\_blank">20075857</a>). Acts as an accessory subunit for the core PRC2 (Polycomb repressive complex 2) complex, which mediates histone H3K27 (H3K27me3) trimethylation on chromatin (PubMed:<a href="http://www.uniprot.org/citations/20064375" target="\_blank">20064375</a>, PubMed:<a href="http://www.uniprot.org/citations/20064376" target="\_blank">20064376</a>). 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:<a href="http://www.uniprot.org/citations/20064375" target="\_blank">20064375</a>, PubMed:<a href="http://www.uniprot.org/citations/20075857" target="\_blank">20075857</a>). 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 (PubMed:<a href="http://www.uniprot.org/citations/12852854" target="\_blank">12852854</a>, PubMed:<a href="http://www.uniprot.org/citations/12890668" target="\_blank">12890668</a>, PubMed:<a href="http://www.uniprot.org/citations/19010785" target="\_blank">19010785</a>). Also acts as a transcriptional repressor of ANF via its interaction with GATA4 and NKX2-5 (PubMed:<a href="http://www.uniprot.org/citations/15542826" target="\_blank">15542826</a>). Participates in the negative regulation of cell proliferation signaling (PubMed:<a href="http://www.uniprot.org/citations/10913339" target="\_blank">10913339</a>). Does not have histone demethylase activity (PubMed:<a href="http://www.uniprot.org/citations/20064376" target="\_blank">20064376</a>).

#### Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00355, ECO:0000255|PROSITE-ProRule:PRU00537, ECO:0000269|PubMed:10807864, ECO:0000269|PubMed:10913339, ECO:0000269|PubMed:20064375, ECO:0000269|PubMed:20064376}. Note=Colocalizes with the PRC2 complex on chromatin

#### Tissue Location

Widely expressed in embryos. In adults, expressed at high levels in heart, skeletal muscle, brain and thymus

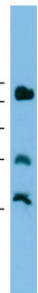
### Jarid2 antibody - middle region - Protocols

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 - middle region - Images





168 kDa  
144 kDa  
90 kDa  
65 kDa  
40 kDa

WB Suggested Anti-Jarid2 Antibody Titration: 0.2-1  $\mu$ g/ml  
ELISA Titer: 1:1562500  
Positive Control: Mouse Liver