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Jarid2 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI11180

Specification

Jarid2 antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q62315
Other Accession	NM_021878, NP_068678
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, PubMed:12852854, PubMed:12890668, PubMed:<a href="http://www.uniprot.org/citations/15542826"

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

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

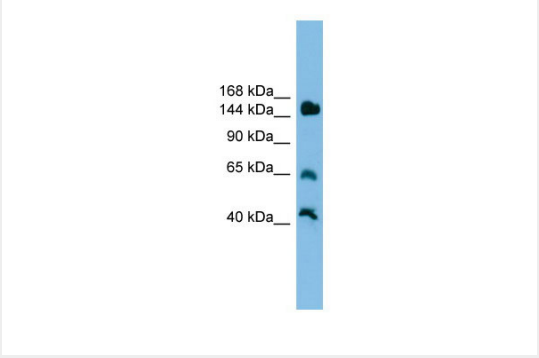
Jarid2 antibody - middle region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Jarid2 antibody - middle region - Images

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WB Suggested Anti-Jarid2 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: Mouse Liver