

JARID2 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14331**Specification**

JARID2 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O92833
Other Accession	NM_017566 , NP_004964
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rabbit, Pig, Bovine, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	139kDa KDa

JARID2 antibody - N-terminal region - Additional Information**Gene ID** 3720

Alias Symbol	JMJ
Other Names	
Protein Jumonji, Jumonji/ARID domain-containing protein 2, JARID2, MJM	

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 - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

JARID2 antibody - N-terminal region - Protein Information**Name** JARID2**Synonyms** MJM**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). Acts as an accessory subunit for the core PRC2 (Polycomb repressive complex 2) complex, which mediates histone H3K27 (H3K27me3) trimethylation on

chromatin (PubMed:20075857, PubMed:29499137, PubMed: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

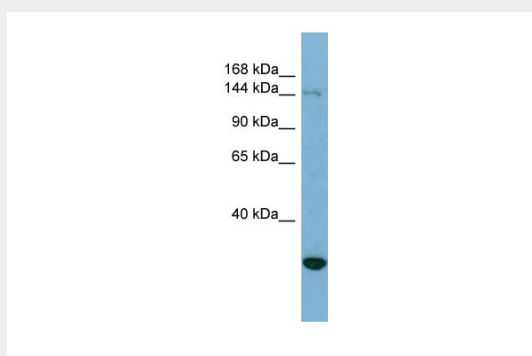
During embryogenesis, predominantly expressed in neurons and particularly in dorsal root ganglion cells

JARID2 antibody - N-terminal 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 - N-terminal region - Images

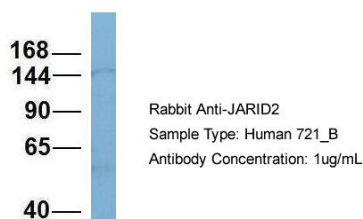


WB Suggested Anti-JARID2 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: HeLa cell lysate

JARID2 is supported by BioGPS gene expression data to be expressed in HeLa

JARID2

Host:Rabbit

Target Name:JARID2

Sample Tissue:721_B

Antibody Dilution: 1.0µg/ml

JARID2 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells

JARID2 antibody - N-terminal region - References

Berge-Lefranc J.-L.,et al.Hum. Mol. Genet. 5:1637-1641(1996).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mungall A.J.,et al.Nature 425:805-811(2003).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Choudhary C.,et al.Science 325:834-840(2009).