

Protein Jumonji Rabbit mAb
Catalog # AP75637**Specification****Protein Jumonji Rabbit mAb - Product Information**

Application	WB
Primary Accession	Q92833
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	138734

Protein Jumonji Rabbit mAb - Additional Information**Gene ID** 3720**Other Names**
JARID2**Dilution**
WB~~1/500-1/1000**Format**
Liquid**Protein Jumonji Rabbit mAb - 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)). 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](http://www.uniprot.org/citations/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

Protein Jumonji Rabbit mAb - 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](#)

Protein Jumonji Rabbit mAb - Images

