

# Protein Jumonji Rabbit mAb

Catalog # AP75637

## Product Information

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Application	WB
Primary Accession	<a href="#">Q92833</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	138734

## Additional Information

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Gene ID	3720
Other Names	JARID2
Dilution	WB~~1/500-1/1000
Format	Liquid

## Protein Information

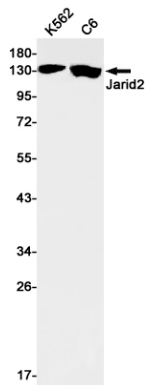
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Name	JARID2
Synonyms	JMJ
Function	<p>Regulator of histone methyltransferase complexes that plays an essential role in embryonic development, including heart and liver development, neural tube fusion process and hematopoiesis (PubMed:<a href="#">20075857</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="#">20075857</a>, PubMed:<a href="#">29499137</a>, PubMed:<a href="#">31959557</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="#">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 (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).</p>
Cellular Location	<p>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.</p>

<b>Tissue Location</b>	During embryogenesis, predominantly expressed in neurons and particularly in dorsal root ganglion cells
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**Images**

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