

## Jarid2 Jumonji Antibody FITC Conjugated

Catalog No: #C01543F

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## Description

Product Name	Jarid2 Jumonji Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF(IHC-P)
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 315-365 1246 derived from human Jarid2 Jumonji
Conjugates	FITC
Target Name	Jarid2 Jumonji
Other Names	JMJ; Protein Jumonji; Jumonji ARID domain-containing protein 2; JARID2
Accession No.	Swiss-Prot#Q92833NCBI Gene ID3720
Cell Localization	Nucleus
Concentration	1mg ml
Formulation	10mM Tris Buffered Saline containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4C for 12 months.

## Application Details

Immunofluorescence: 1:50-200

## Background

Regulator of histone methyltransferase complexes that plays an essential role in embryonic development, including heart and liver development, neural tube fusion process and hematopoiesis. Acts by modulating histone methyltransferase activity and promoting the recruitment of histone methyltransferase complexes to their target genes. Binds DNA and mediates the recruitment of the PRC2 complex to target genes in embryonic stem cells. Does not have histone demethylase activity but regulates activity of various histone methyltransferase complexes. In embryonic stem cells, it associates with the PRC2 complex and inhibits trimethylation of 'Lys-27' of histone H3 (H3K27me3) by the PRC2 complex, thereby playing a key role in differentiation of embryonic stem cells and normal development. 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. Also acts as a transcriptional repressor of ANF via its interaction with GATA4 and NKX2-5. Participates in the negative regulation of cell proliferation signaling.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.