

JARID2 Conjugated Antibody

Catalog No: #C48422



Package Size: #C48422-AF350 100ul #C48422-AF405 100ul #C48422-AF488 100ul #C48422-AF555 100ul #C48422-AF594 100ul
 #C48422-AF647 100ul #C48422-AF680 100ul #C48422-AF750 100ul #C48422-Biotin 100ul #C48422-Conjugated 50ul

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Description

Product Name	JARID2 Conjugated Antibody
Host Species	Mouse
Clonality	Monoclonal
Applications	WB, IF, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	JARD2 antibody JARD2_HUMAN antibody JARID2 antibody JMJ antibody Jumonji AT rich interactive domain 2 antibody Jumonji homolog antibody Jumonji like protein antibody Jumonji protein antibody Jumonji/ARID domain containing protein 2 antibody Jumonji/ARID domain-containing protein 2 antibody Protein Jumonji antibody
Accession No.	Swiss-Prot#:Q92833
Calculated MW	139 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

WB: 1:50-1:200

IF: 1:50-1:200

FC: 1:50-1:200

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.