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Datasheet for ABIN7165673
anti-JARID2 antibody (AA 1-159) (Biotin)

Overview

Quantity:	100 µg
Target:	JARID2
Binding Specificity:	AA 1-159
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JARID2 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Protein Jumonji protein (1-159AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	JARID2
Alternative Name:	JARID2 (JARID2 Products)
Background:	Background: Regulator of histone methyltransferase complexes that plays an essential role in embryonic development, including heart and liver development, neural tube fusion process and

Target Details

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.

Aliases: 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

UniProt: [Q92833](#)

Pathways: [Chromatin Binding](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.