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anti-JARID2 antibody (AA 301-400)





Overview

Quantity:	100 μL
Target:	JARID2
Binding Specificity:	AA 301-400
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JARID2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (ICC),
	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Jarid2/Jumonji
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Sheep,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

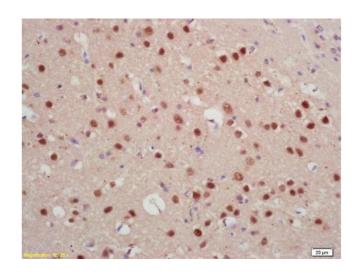
Target Details

Alternative Name:	Jarid2/Jumonji (JARID2 Products)
Background:	Synonyms: JMJ, Protein Jumonji, Jumonji/ARID domain-containing protein 2, JARID2
	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.
Gene ID:	3720
UniProt:	Q92833
Pathways:	Chromatin Binding
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL

Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti Jarid2/Jumonji Polyclonal Antibody, Unconjugated (ABIN1386206) at 1:200 followed by conjugation to the secondary antibody and DAB staining