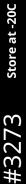
JARID1B Antibody Cell Signaling TECHNOLOGY* Orders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324) Web: info@cellsignal.com



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 180	Source/Isotype: Rabbit	UniProt ID: #Q9UGL1	Entrez-Gene Id: 10765	
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity/Sensitivity		JARID1B Antibody detects endogenous levels of JARID1B protein. The antibody does not cross-react with other JARID proteins, including JARID1A, JARID1C and JARID1D.					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the human JARID1B protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background		active and inactive regi development (1,2). Jum histone demethylase pi tri-methyl lysine residu homology, both humar separate families (3). Th four members: JARID1/ JARID1D (also SMCY) (4 zinc-finger, and PHD do JARID proteins demeth methyl histone H3 Lys4 Repressive Complex 2 (JARID1A-NUP98 gene fi many proteins includin differentiation (10-12). multiple tumor suppres complex with HDAC1, H neuronal cells (7). JARID (15,16). JARID1D is unic repressing genes assoc	ons of the genome onji C (JmjC) doma roteins (3). The Jmj es via an oxidative hs and mice contai he JARID (Jumonji/ A (also RBP2 and R). In addition to the mains, the latter of ylate di- and tri-me (5-7). JARID1A is a PRC2)-mediated tr usion is associated g c-Myc and HDAC JARID1B is overexp ssor genes, includi IDAC2, G9a, and R D1C mutations are usely localized to the ciated with cell investigation	n histone proteins is a m e and is crucial for prope ain-containing proteins r iC domain can catalyze t reaction that requires in n at least 30 such protei AT-rich interactive doma BBP2), JARID1B (also PLI e JmJC domain, these pro- of which binds to methyl ethyl histone H3 Lys4; JA o critical RB-interacting p ranscriptional repression with myeloid leukemia t4, may play a role in cell pressed in many breast of associated with X-linked he Y chromosome, and f asiveness (17). JARID1D i are associated with poor	er programming of epresent the larges he demethylation of ron and α-ketogluta ns, which can be di in-containing prote J-1), JARID1C (also S oteins contain JmJN ated histone H3 (Ly RID1B also demeth for during ES cell diffe (9). JARID1B, which if ate decisions by b cancers and may ac (3,14). JARID1C has represses REST targ mental retardation functions as a tumo is frequently mutated	the genome during st class of potential of mono-, di-, and arate (3). Based on vided into 7 ein) family contains SMCX), and J. BRIGHT, C5HC2 rs9) (4). All four ylates mono- red for Polycomb- erentiation (8). A interacts with blocking terminal t by repressing been found in a get genes in non- n and epilepsy or suppressor by ed in metastatic	
Background Ref	erences	1. Kubicek, S. et al. (200 2. Lin, W. and Dent, S.Y. 3. Klose, R.J. et al. (2006 4. Benevolenskaya, E.V. 5. Christensen, J. et al. (6. Yamane, K. et al. (200 7. Tahiliani, M. et al. (200 8. Pasini, D. et al. (2008	(2006) Curr Opin 5) Nat Rev Genet 7, (2007) Biochem C (2007) Cell 128, 100 07) Mol Cell 25, 80 07) Nature 447, 60) Genes Dev 22, 13 (2006) Genes Chro 07) Int J Cancer 12 8) Mol Cell Biol 28, 02) Int J Cancer 10 I Biol Chem 274, 15 2006) Hum Mutat 2 005) Am J Hum Ge	715-27. ell Biol 85, 435-43. 63-76. 1-12. 11-5. 645-55. omosomes Cancer 45, 43 , 537-51. 5312-27. 1, 265-75. 5312-27. 1, 581-8. 5633-45. 27, 389. net 76, 227-36.			

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).			
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.			
Applications Key	W: Western Blotting IP: Immunoprecipitation			
Cross-Reactivity Key	H: Human Mk: Monkey			
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