e at -20C	Brg1 (A52) Antibody		Cell Signaling
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
8		Support:	877-678-TECH (8324)
<u>1350</u>		Web:	info@cellsignal.com cellsignal.com
Ħ		3 Trask Lane Danvers	Massachusetts 01923 USA

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

Applications: WB, IF-IC	Reactivity: H M Mk	Sensitivity: Endogenous	MW (kDa): 220	Source: Rabbit	UniProt ID: #P51532	Entrez-Gene Id: 6597
Product Usage Information	Apj We Imn	plication stern Blotting nunofluorescence (Immunocytochemis	stry)		Dilution 1:1000 1:50
Storage	Supp 20°C	plied in 10 mM sodi C. Do not aliquot the	um HEPES (pH 7.5 e antibody.	5), 150 mM NaCl, 10	00 μg/ml BSA and 50% g	lycerol. Store at –
Specificity / Sensit	ivity Brg1	. (A52) Antibody de	tects endogenous l	evels of Brg1 protei	n.	
Species predicted react based on 100 sequence homolog	to Rat 9% 9y:					
Source / Purificatio	on Poly amir chro	clonal antibodies an 10 acids surroundin matography.	re produced by imn g Ala52 of human E	nunizing animals wit Brg1. Antibodies are	h a synthetic peptide cor purified by Protein A and	responding to d peptide affinity
Background	The activ throu mod remo prote hBR grow throu with trans regu plays	modulation of chron ation and repression ugh the disruption of fications including odelers is the SWI/S ein hBRM (1). This M remains constan rth, the cell cycle, a ugh enhancing trans transcriptional active scriptional repression lation of gene trans s a role as a tumor	matin structure is a on. Modifications ca of histone-DNA com methylation and ac SNF complex, the of SWI/SNF complex t (1). SWI/SNF com nd differentiation (1 scriptional activatio vation, Brg1/hBRM on, including HDAC coription during earl suppressor and Br	n essential compon- n be made by at lea acts by ATP-depen- etylation. One of the entral catalytic subu- contains varying su nplexes have been s .). Brg1/hBRM have n of glucocorticoid r have also been four s, Rb, and Tif1β (3- y mammalian embr g1 is mutated in sev	ent in the regulation of tra ast two evolutionarily con- dent chromatin remodele e four classes of ATP-dep unit of which is Brg1 or th bunits but its association shown to regulate gene a been shown to regulate eceptors (2). Although us nd in complexes associa 5). Brg1/hBRM plays a v yogenesis. In addition, B eral tumor cell lines (6-8)	anscriptional served strategies, rs, or by histone tail bendent histone he highly related with either Brg1 or activation, cell transcription sually associated ted with ital role in the rg1/hBRM also).
Background Refere	ences 1. Tr 2. Tr 3. Si 4. Zr 5. Ur 6. Mi 7. Mi 8. Mi	otter, K.W. and Arcl otter, K.W. and Arcl f, S. et al. (2001) G nang, H.S. et al. (20 nderhill, C. et al. (20 agnani, L. and Cab edina, P.P. et al. (20 edina, P.P. et al. (20	her, T.K. (2008) <i>Nu</i> her, T.K. (2007) <i>Mo</i> enes Dev 15, 603- 000) <i>Cell</i> 101, 79-8 000) <i>J Biol Chem</i> 2 ot, R.A. (2009) <i>Rep</i> 008) <i>Epigenetics</i> 3, 008) <i>Hum Mutat</i> 29	cl Recept Signal 6, (l Cell Endocrinol 26 18. 2. 75, 40463-70. oroduction 137, 23-3 64-8. , 617-22.	e004. 5-266, 162-7. 33.	
Species Reactivity	Speci	ies reactivity is dete	ermined by testing i	n at least one appro	ved application (e.g., we	estern blot).
Western Blot Buffe	r IMPC 0.1%	RTANT: For wester Tween® 20 at 4°C	rn blots, incubate m with gentle shaking	embrane with dilute g, overnight.	ed primary antibody in 5%	6 w/v BSA, 1X TBS,
Applications Key Cross-Reactivity K	wB: ey	Western Blotting IF	IC: Immunofluore	scence (Immunocyt	ochemistry)	

1/1/24, 6:15 AM	Brg1 (A52) Antibody (#3508) Datasheet Without Images Cell Signaling Technology H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected			
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