Store at -20C	BRM (D9E8B) XP <sup>®</sup> Rabbit mAb	C T	Cell Signaling		
		Orders:	877-616-CELL (2355) orders@cellsignal.com		
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,#		3 Trask Lane   Danvers   Mas	sachusetts   01923   USA		
For Research Use Only. Not for Use in Diagnostic Procedures.					

<b>Applications:</b> W, W-S, IP, IHC-P, IF-IC, ChIP	<b>Reactivity:</b> H Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 200	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P51531	Entrez-Gene Id 6595	
Product Usage Information		For optimal ChIP results, use 5 μl of antibody and 10 μg of chromatin (approximately 4 x 10 <sup>6</sup> cells) per IP. This antibody has been validated using SimpleChIP <sup>®</sup> Enzymatic Chromatin IP Kits.					
		Application Western Blotting Simple Western™ Immunoprecipitation Immunohistochemist Immunofluorescence Chromatin IP	try (Paraffin)	nistry)		)	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity/Sen	sitivity	For a carrier free (BSA and azide free) version of this product see product #48277. BRM (D9E8B) XP <sup>®</sup> Rabbit mAb recognizes endogenous levels of total BRM protein. This antibody does not cross-react with BRG1 protein.					
Species predict based on 100% homology		Dog					
Source / Purific	cation	Monoclonal antibody residues surrounding		nunizing animals with a s 3RM protein.	synthetic peptide co	orresponding to	
Background		ATP-dependent chromatin remodeling complexes play an essential role in the regulation of various nuclear processes, such as gene expression, DNA replication, and repair (1,2). The SWI/SNF chromatin remodeling complex consists of more than 10 subunits with a single molecule of the ATPase catalytic subunit BRM or BRG1, but not both. The activities of these two subunits drive the disruption of histone-DNA contacts that lead to changes in accessibility of crucial regulatory elements within chromatin (2-5). The BRM/BRG1 containing SWI/SNF complexes are recruited to target promoters by transcription factors, such as nuclear receptors, p53, RB, and BRCA1 to regulate gene activation, cell growth, the cell cycle, and differentiation processes (1,6-9). BRM and BRG1 are also considered to be tumor suppressors and their expression levels are severely reduced in several cancer cell lines (10-13).					
Background References		3. Eberharter, A. and I 4. Bowman, G.D. (201 5. Gangaraju, V.K. and 6. Lessard, J.A. and Cr 7. Morettini, S. et al. (200 9. Simone, C. (2006) <i>J</i> 10. Yamamichi, N. et a 11. Reisman, D.N. et a 12. Shen, H. et al. (200	rz, W. (2002) Annu J Becker, P.B. (2004) J O) Curr Opin Struct Bartholomew, B. ( abtree, G.R. (2010) 2008) Front Biosci 1 08) J Cell Biochem 1 Cell Physiol 207, 30 al. (2005) Oncogene al. (2002) Oncogene 08) Cancer Res 68, 1	Rev Biochem 71, 247-73. Cell Sci 117, 3707-11. Biol 20, 73-81. 2007) Mutat Res 618, 3-1 Annu Rev Cell Dev Biol 2 3, 5522-32. 04, 1580-6. 9-14. 24, 5471-81. 21, 1196-207.	6, 503-32.		

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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	W: Western Blotting W-S: Simple Western™ IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) ChIP: Chromatin IP
Cross-Reactivity Key	H: Human Mk: Monkey
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