

52251

Brg1 (E9O6E) Mouse mAb



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Applications: W, IP, ChIP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 220	Source/Isotype: Mouse IgG2b	UniProt ID: #P51532	Entrez-Gene Id 6597
Product Usage Information		For optimal ChIP results, use 10 μ l of antibody and 10 μ g of chromatin (approximately 4 x 10 ⁶ cells) per IP. This antibody has been validated using SimpleChIP [®] Enzymatic Chromatin IP Kits.				
		Application			Dilution	
		Western Blotting			1:1000	
		Immunoprecipitation	า		1:200	
		Chromatin IP			1:50	
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/Sensitivity		Brg1 (E9O6E) Mouse mAb recognizes endogenous levels of total Brg1 protein. This antibody does not cross-react with BRM protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly10 of human Brg1 protein.				
Background		activation and repres strategies, through the or by histone tail more dependent histone re the highly related pro- with either Brg1 or hactivation, cell growth transcription through usually associated with sassociated with trans- vital role in the regular	ssion. Modifications he disruption of hist difications including emodelers is the SW otein hBRM (1). This BRM remains constant the cell cycle, and nenhancing transcriptional accriptional repressionation of gene transcation of	s an essential component can be made by at least one-DNA contacts by AT methylation and acetyla I/SNF complex, the cent SWI/SNF complex containt (1). SWI/SNF complex differentiation (1). Brg1 iptional activation of gluctivation, Brg1/hBRM haven, including HDACs, Rb, ription during early marsuppressor and Brg1 is not some components.	two evolutionarily of P-dependent chrorestion. One of the foral catalytic subunities have been show /hBRM have been stocorticoid receptowe also been found and Tif1β (3-5). Brgnmalian embryoge	conserved natin remodelers, ur classes of ATP-tof which is Brg1 or s but its association to regulate genethown to regulate rs (2). Although in complexes 1/hBRM plays a nesis. In addition,
Background References		 Trotter, K.W. and Archer, T.K. (2008) Nucl Recept Signal 6, e004. Trotter, K.W. and Archer, T.K. (2007) Mol Cell Endocrinol 265-266, 162-7. Sif, S. et al. (2001) Genes Dev 15, 603-18. Zhang, H.S. et al. (2000) Cell 101, 79-89. Underhill, C. et al. (2000) J Biol Chem 275, 40463-70. Magnani, L. and Cabot, R.A. (2009) Reproduction 137, 23-33. Medina, P.P. et al. (2008) Epigenetics 3, 64-8. Medina, P.P. et al. (2008) Hum Mutat 29, 617-22. 				

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 ChIP: Chromatin IP

Cross-Reactivity Key

H: Human M: Mouse R: Rat Mk: Monkey

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