mAb

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#8745

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SMARCB1/BAF47 (D9C2) Rabbit

Applications: WB	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 44	Source/Isotype: Rabbit IgG	UniProt ID: #Q12824	Entrez-Gene Id: 6598	
Product Usage Information		lication stern Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and le 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				erol and less than	
Specificity / Sensit	t ivity SMAR	SMARCB1/BAF47 (D9C		ecognizes endogenous	levels of total SMARC	B1/BAF47 protein.	
Species predicted to H react based on 100% sequence homology:		Hamster, Chicken, Xenopus, Bovine					
Source / Purificatio		-		nunizing animals with a s SMARCB1/BAF47 prote		esponding to	
Background	proce comp ATPa the ac subur transo factor target SMAF nucle embry differe	esses such as trans olex consists of mol use catalytic subuni ccessibility of cruci nits play a scaffoldi cription factors and rs, such as nuclear t genes for regulati RCB1/BAF47, one osome remodeling yonic stem cell spe entiation (11,12). Ir	scription and DN. re than 10 subur it. The activity of ial regulatory elei ing role to mainta d chromatin (2-5) r receptors, p53, ion of gene active of the core subur by BRG1 <i>in vitre</i> ecific SWI/SNF c n addition, SMAF	omplexes play an essen A replication and repair its and contains a single the ATPase subunit disr ments to the chromatin. ain stability and provide . The interactions betwe Rb, BRCA1, and MyoD, ation, cell growth, cell cy nits of the SWI/SNF cor to (10). SMARCB1/BAF4 omplex) and is necessal RCB1/BAF47 is consider fied in a large number o	(1,2). The SWI/SNF cf e molecule of either BF upts histone-DNA con The additional core ar surfaces for interaction en SWI/SNF subunits facilitate recruitment of role, and differentiation nplex, is necessary for 7 is an essential part of by for early embryogen ed to be a tumor supp	Arromatin remodeling RM or BRG1 as the stacts and changes and accessory n with various and transcription of the complex to n processes (1,6-9). r efficient of the esBAF (mouse nesis and hepatocyte pressor protein;	
Background Refer	2. Ber 3. Ebr 4. Boy 5. Ga 6. Les 7. Mo 8. Wo 9. Sin 10. Pho 11. Klo 12. Gre 13. Ver	cker, P.B. and Hörz erharter, A. and Be wman, G.D. (2010) ingaraju, V.K. and F ssard, J.A. and Cra prettini, S. et al. (20 blf, I.M. et al. (2006) J (elan, M.L. et al. (19 pchendler-Yeivin, A esh, L. et al. (2005) rsteege, I. et al. (19	Crabtree, G.R. (2010) Nature 463, 474-84. B. and Hörz, W. (2002) Annu Rev Biochem 71, 247-73. r, A. and Becker, P.B. (2004) J Cell Sci 117, 3707-11. G.D. (2010) Curr Opin Struct Biol 20, 73-81. I, V.K. and Bartholomew, B. (2007) Mutat Res 618, 3-17. A. and Crabtree, G.R. (2010) Annu Rev Cell Dev Biol 26, 503-32. S. et al. (2008) Front Biosci 13, 5522-32. et al. (2008) J Cell Biochem 104, 1580-6. E. (2006) J Cell Physiol 207, 309-14. L. et al. (1999) Mol Cell 3, 247-53. er-Yeivin, A. et al. (2000) EMBO Rep 1, 500-6. et al. (2005) EMBO J 24, 3313-24. I. et al. (1998) Nature 394, 203-6. A. et al. (1999) Cancer Res 59, 74-9.				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

1/1/24, 1:19 PM	ARCB1/BAF47 (D9C2) Rabbit mAb (#8745) Datasheet Without Images Cell Signaling Technolog 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	WB: Western Blotting	
Cross-Reactivity Key	 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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