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## ទី SMARCC2/BAF170 (D8O9V) Rabbit mAb



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Applications: W, IP, ChIP, ChIP- seq, C&R	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 162, 170	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #Q8TAQ2	Entrez-Gene Id: 6601
Product Usage Information		For optimal ChIP and 10 <sup>6</sup> cells) per IP. This a	ChIP-seq results, us antibody has been v	se 10 μl of antibody and alidated using SimpleCh	10 μg of chromatin IP <sup>®</sup> Enzymatic Chro	(approximately 4 x omatin IP Kits.
		The CUT&RUN dilution <b>Application</b> Western Blotting Immunoprecipitation Chromatin IP	n was determined u	ısing CUT&RUN Assay Ki	: #86652. Dilution 1:1000 1:50 1:50	
		Chromatin IP-seq CUT&RUN			1:50 1:50	
Storage		Supplied in 10 mM so 0.02% sodium azide. S	dium HEPES (pH 7.5 Store at –20°C. Do n	5), 150 mM NaCl, 100 μg/ ot aliquot the antibody.	ml BSA, 50% glycer	ol and less than
Specificity/Sen	sitivity	SMARCC2/BAF170 (D8 protein.	8O9V) Rabbit mAb r	ecognizes endogenous le	evels of total SMAR	CC2/BAF170
Species predict based on 100% homology	ed to react sequence	Dog, Pig, Horse, Guin	ea Pig			
Source / Purific	ation	Monoclonal antibody residues surrounding	is produced by imn Ile818 of human SI	nunizing animals with a s MARCC2/BAF170 protein	ynthetic peptide co	prresponding to
Background		ATP-dependent chrom processes such as trai remodeling complex of BRG1 as the ATPase of and changes the acce accessory subunits play various transcription fa- transcription factors, s complex to target gen processes (1,6-9). SMARCC2/BAF170 is of nucleosome remodeli SWI/SNF complex in n Research studies have progenitors upon diffi- SMARCC2/BAF170 lea	natin remodeling co nscription and DNA consists of more tha atalytic subunit. The ssibility of crucial re ay a scaffolding role factors and chroma such as nuclear rec nes for regulation o one of the core subu ng by Brg1 <i>in vitro</i> ion-pluripotent cells e shown that express erentiation of mous	omplexes play an essenti replication and repair (1 an 10 subunits and conta e activity of the ATPase s egulatory elements to th e to maintain stability an tin (2-5). The interactions eptors, p53, Rb, BRCA1, a f gene activation, cell gro units of the SWI/SNF com (10). While SMARCC2/BA s, it is absent in pluripote ssion of SMARCC2/BAF17 se ES cells with retinoic a ell pluripotency and self	al role in the regula ,2). The SWI/SNF ch ins a single molect ubunit disrupts hist e chromatin. The ac d provide surfaces between SWI/SNF and MyoD, facilitate with, cell cycle, and plex, which is nece F170 has been show ent embryonic stem 0 is up-regulated in cid, and exogenous renewal (11)	tion of nuclear iromatin Ile of either BRM or one-DNA contacts ditional core and for interaction with subunits and recruitment of the differentiation ssary for efficient wn to be part of the n (ES) cells. n neurons/neuronal s expression of
Background Re	ferences	1. Ho, L. and Crabtree 2. Becker, P.B. and Höi 3. Eberharter, A. and E 4. Bowman, G.D. (2010 5. Gangaraju, V.K. and 6. Lessard, J.A. and Cr. 7. Morettini, S. et al. (20 9. Simone, C. (2006) <i>J</i> 10. Phelan, M.L. et al. 11. Ho, L. et al. (2009)	, G.R. (2010) Nature rz, W. (2002) Annu f Becker, P.B. (2004) J O) Curr Opin Struct I Bartholomew, B. (2 abtree, G.R. (2010) J 2008) Front Biosci 1 08) J Cell Biochem 10 Cell Physiol 207, 30 (1999) Mol Cell 3, 2 Proc Natl Acad Sci	2 463, 474-84. 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 20 3, 5522-32. )4, 1580-6. 9-14. 47-53. U S A 106, 5181-6.	7. 5, 503-32.	

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 ChIP-seq: Chromatin IP-seq C&R: CUT&RUN
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey
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