Revision 1			
SMYD2 Antibody	Се	Cell Signaling	
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com	
	Support:	877-678-TECH (8324)	
#4251	Web:	info@cellsignal.com cellsignal.com	
7#	3 Trask Lane Danvers Mass	achusetts 01923 USA	

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 49	Source/Isotype: Rabbit	UniProt ID: #Q9NRG4	Entrez-Gene Io 56950		
Product Usage Information	!	Application Western Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM so 20°C. Do not aliquot		5), 150 mM NaCl, 100 μg	/ml BSA and 50% gl	ycerol. Store at –		
Specificity/Sensitivity		SMYD2 Antibody detects endogenous levels of total SMYD2 protein. The antibody does not cross-react with SMYD3 protein.						
Species predict based on 100% homology		Bovine, Pig						
Source / Purific	cation			munizing animals with urified by protein A and				
Background		3C (KMT3C), is a men family (SMYD1, SMYD originally identified in split by the MYN dom localizes to both the liver, kidney, thymus, repress transcription H3 (1). SMYD2 also in transcriptional activa	hber of the SMYD fa 22, SMYD3, SMYD4, on <i>Drosophila</i> Su[var] hain/zinc finger mot cytoplasm and nucle and ovary, as well a by interacting with teracts with HSP900 tion (2). In addition	in 2 (SMYD2), also known mily of protein methyltra and SMYD5) contain a co (3-9, Enhancer of zeste, a if believed to facilitate pi eus, and is highly express s in the developing mou the Sin3A repressor com a and methylates Lys4 of to histones as methyl su optional activation and ap	ansferases (1). All fin inserved catalytic S and Trithorax protei rotein-protein inter- sed in the adult mo se embryo (1). SMY iplex and methylati i histone H3, a marh bstrates, SMYD2 m	ve members of this ET domain, ins. This domain is actions (1). SMYD2 use heart, brain, D2 functions to ng Lys36 of histone cassociated with		
Background Re	eferences	1. Brown, M.A. et al. (2006) <i>Mol Cancer</i> 5, 26. 2. Abu-Farha, M. et al. (2008) <i>Mol Cell Proteomics</i> 7, 560-72. 3. Huang, J. et al. (2006) <i>Nature</i> 444, 629-32. 4. Huang, J. et al. (2007) <i>Nature</i> 449, 105-8.						
Species Reactiv	vity	Species reactivity is d	letermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot B	Buffer		RTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications K	ey	W: Western Blotting						
Cross-Reactivit	ty Key	H: Human M: Mouse	R: Rat Mk: Monkey					
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