Bmi1 Antibody	C T	ell Signaling		
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com		
	Support:	877-678-TECH (8324)		
#2830	Web:	info@cellsignal.com cellsignal.com		
<b>2</b>	3 Trask Lane   Danvers   Massachusetts   01923   USA			
For Research Use Only. Not for Use in Diagnostic Procedures.				

Applications: W	<b>Reactivity:</b> H Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 41, 43	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #P35226	Entrez-Gene Id 648		
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				lycerol. Store at –		
Specificity/Sensitivity		Bmi1 Antibody detects endogenous levels of total Bmi1 protein.						
Species predict based on 100% homology		Bovine						
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the carboxy terminus of the human Bmi1 protein. Antibodies are purified by peptide affinity chromatography.						
Background		renewal, cell cycle reg promote cell lineage complexes that coop modifications. The fir and methylates histo and Suz12 subunits c the second complex, the PRC1 complex, w Ring2 catalytic subur	gulation, and oncog specification, cell de erate to maintain lo rst complex, EED-EZ one H3 on Lys27. Thi of the complex (5). H PRC1, which ubiqui hich together with F nit (7). Bmi1 plays ar repression of the p1	ntributes to the mainten enesis by maintaining th eath, and cell-cycle arres ng-term gene silencing H2, is recruited to genes s histone methyl-transfe istone H3 methylation a tinylates histone H2A on Ring1 strongly enhances important role in the re 6 INK4A and p19 ARF ge cells (3,4,8-10).	ne silenced state of t (1-4). PcG proteins through epigenetic by DNA-binding tra- erase activity requir t Lys27 facilitates th Lys119 (6). Bmi1 is the E3 ubiquitin lig egulation of cell pro	genes that s exist in two chromatin anscription factors es the Ezh2, Eed, ne recruitment of a component of pase activity of the liferation and		
Background Re	ferences	1. Boyer, L.A. et al. (20 2. Lee, T.I. et al. (2006 3. Park, I.K. et al. (2007 4. Molofsky, A.V. et al 5. Cao, R. and Zhang, 6. Wang, H. et al. (2007 7. Cao, R. et al. (2007 7. Cao, R. et al. (2005) 8. Molofsky, A.V. et al 9. Jacobs, J.J. et al. (19 10. Jacobs, J.J. et al. (19	5) <i>Cell</i> 125, 301-13. 03) <i>Nature</i> 423, 302- . (2003) <i>Nature</i> 425, , Y. (2004) <i>Mol Cell</i> 1 04) <i>Nature</i> 431, 873- ) <i>Mol Cell</i> 20, 845-54 . (2005) <i>Genes Dev</i> 099) <i>Nature</i> 397, 164	5. 962-7. 5, 57-67. 8. 9, 1432-7. -8.				
Species Reactiv	vity	Species reactivity is d	letermined by testin	g in at least one approv	ed application (e.g.,	western blot).		
Western Blot B	uffer	IMPORTANT: For wes TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody i	n 5% w/v BSA, 1X		
Applications Ke	ey .	W: Western Blotting						
Cross-Reactivit	у Кеу	H: Human Mk: Monk	ey					
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